CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Water Supply, Rochester, N. Y., City, made surveys, $22,000,000.

Pipe Line, Texas, Empire Gas Co., plans prepared, $17,000,000.

Hotel, Toronto, Ont., Canadian Pacific Railway Co., having plans prepared, $4,000,000-$5,000,000.

Hotel, Chicago, Ill., Syndicate having plans prepared, $3,000,000.

Auditorium, Long Beach, Calif., plans, $2,800,000.

Inn, club, casino, Westerly, R. I., Masonic County Club, having sketches made, $2,000,000.

Mail order house, Minneapolis, Minn., Sears, Roebuck & Co., having plans prepared, $2,000,000.

Theatre, store and office, Chicago, Ill., Syndicate, having sketches made, $2,000,000.

Hotel, Canton, Ohio, General Stark Hotel Co., having plans prepared, $2,000,000.

Heat resisting plant, Louisville, Ky., Lincoln Engineering Corp., plans, $2,000,000.

Drainage, Houston, Texas, bond election, $1,600,000.

Transformers, Ontario, Hydro Electric Power Comn., having plans prepared, $1,500,000.

Highways, Plemons, Texas, Hutchinson Co., bond election, $1,250,000.

School, Roxbury (br. Boston) Mass., City, had plans prepared, $1,200,000.

City hall, fire and police station, Houston, Texas, bond election, $1,175,000.

Theatre, New York, N. Y., Wilthorn Realty Co., having plans prepared, $1,100,000.

Paving, Edna, Tex., Jackson Co., bond election, $1,000,000.

Warehouse, Cleveland, O., May Co., having plans prepared, $1,000,000.

Hotel, Atlantic City, N. J., Hotel Bryanton had plans prepared, $1,000,000.

Bids Desired

Transmission line, Ontario, Hydro Electric Power Comn., soon takes bids, $5,000,000.

Civil courts, St. Louis, Mo., Bd. Pub. Serv., takes bids about May 10, $4,000,000.

Bids Received

Auditorium, Cleveland, O., City, from Hunkin-Conkey Constr. Co., $1,957,000.

Contracts Awarded

Excavation, dredging, etc., Fort Lauderdale, Fla., City Comn., 1st unit, to Tropical Dredging & Constr. Co., $5,004,195.

School, New York, N. Y., Bd. Educ., to Gibbs Rice Co., $2,572,000.

Hotel and restaurant, Atlantic City, N. J., Childs Co., to G. A. Fuller, $2,500,000.

Sewers, Brooklyn, N. Y., Boro pres. to Montrose Contg. Co. and others, $1,574,842.

Theatre, Jersey City, N. J., Stanley Fabion Syndicate, to J. W. Ferguson Co., $1,500,000.

Apartment, Phila., Pa., L. M. Lifter, to Armstrong & Latta, $1,250,000.

Wharves and warehouses, Toronto, Ont., Canada Steamship Lines, Ltd., to Jackson Lewis Constr. Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Apr. 8	Elkhart, Ind.	Mar. 31
Apr. 8	Burton, O.	Apr. 7
Apr. 8	Long Island City, N. Y.	Apr. 7
Apr. 11	Evanston, Ill.	Mar. 31
Apr. 11	Bradley, Ill.	Apr. 7
Apr. 11	Mankato, Minn.	Apr. 7
Apr. 12	St. Louis, Mo.	Mar. 24
Apr. 12	Cincinnati, O.	Mar. 31
Apr. 14	New Madrid, Mo.	Mar. 31
Apr. 15	Rolette, N. D.	Apr. 7
Apr. 15	Boston, Mass.	Mar. 24
Apr. 15	Millersburg, O.	Mar. 31
Apr. 15	Southboro, Miss.	Mar. 31
Apr. 15	Oakland, Calif.	Apr. 7
Apr. 16	Rolla, N. D.	Mar. 31
Apr. 18	Wichita Falls, Tex.	Apr. 7
Apr. 18	Syracuse, N. Y.	Apr. 7
Apr. 19	San Rafael, Calif.	Mar. 31
Apr. 26	Chester, Pa. Adv. Apr. 7.	Apr. 7
May 3	St. Louis, Mo.	Apr. 7
June 1	Youngstown, O.	Mar. 17

Sewers

Apr. 11	Syracuse, N. Y.	Apr. 7
Apr. 11	Cleveland Heights (br. Cleveland), O.	Apr. 7
Apr. 12	Waterbury, Conn.	Mar. 17
Apr. 12	Wallingford, Conn.	Mar. 24
Apr. 12	Cincinnati, O.	Mar. 31
Apr. 12	Paterson, N. J.	Apr. 7
Apr. 13	Los Angeles, Calif.	Apr. 7
Apr. 13	Detroit, Mich.	Apr. 7
Apr. 13	West Roxbury (br. Boston), Mass.	Apr. 7
Apr. 13	Baltimore, Md.	Apr. 7
Apr. 14	Sedalia, Mo.	Apr. 7
Apr. 14	Sacramento, Calif.	Mar. 24
Apr. 14	Mobile, Ala.	Mar. 17
Apr. 14	New Madrid, Mo.	Mar. 31
Apr. 18	Redondo Beach, Calif.	Apr. 7
Apr. 19	St. Louis, Mo.	Apr. 7
Apr. 23	Longport, N. J. Adv. Apr. 7.	Apr. 7
Apr. 26	Wash., D. C.	Mar. 31
Apr. 26	Delaware-Maryland Adv. Apr. 7.	Apr. 7
Apr. 26	Wash., D. C.	Apr. 7
Apr. 29	Louisville, Ky.	Mar. 31
May 2	Birmingham, Ala.	Mar. 31
May 2	Springfield, Ill. Adv. Mar. 31 and Apr. 7.	Mar. 31

Waste Disposal

Apr. 12	Paterson, N. J.	Mar. 24

Bridges

Bids close		*See Eng. News-Record*
Apr. 8	Goshen, Ind.	Mar. 31
Apr. 9	Cassville, Mo.	Apr. 7
Apr. 11	New York and New Jersey	Mar. 10
Apr. 12	Decatur, Ill.	Mar. 17
Apr. 12	Rye, N. Y. Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 12	Massachusets	Mar. 31
Apr. 13	Illinois	Mar. 31
Apr. 13	New York, N. Y.	Mar. 31
Apr. 13	Phila., Pa.	Apr. 7
Apr. 13	Glassport, Pa.	Apr. 7
Apr. 15	Estherville, Ia.	Apr. 7
Apr. 15	Ft. Scott, Kan.	Apr. 7
Apr. 15	Knox, Ind.	Mar. 24
Apr. 18	Oakland, Calif.	Apr. 7
Apr. 18	Morgantown, W. Va.	Apr. 7
Apr. 19	Alma, Kan.	Apr. 7
Apr. 19	Mercer, Pa. Adv. Mar. 31 and Apr. 7.	Apr. 7
Apr. 23	Dayton, O.	Mar. 31
Apr. 25	Pueblo, Colo.	Mar. 24

Railways

Apr. 19	Arkansas	Apr. 7

Excavation, Drainage, Irrigation, Levees, River and Harbor

Apr. 11	Goshen, Ind.	Mar. 31
Apr. 19	New Westminster, B. C.	Apr. 7
Apr. 19	Turlock, Calif.	Apr. 7
Apr. 26	Benson, Minn.	Apr. 7

Streets and Roads

Apr. 8	New York Adv. Mar. 24 to Apr. 7.	Mar. 24
Apr. 8	Cincinnati, O.	Mar. 31
Apr. 8	London, Ont.	Mar. 31
Apr. 8	Georgia	Apr. 7
Apr. 9	Millersburg, O.	Apr. 7
Apr. 9	London, Ont.	Apr. 7
Apr. 11	New Haven, Conn.	Apr. 7
Apr. 11	Gallitzin, Pa.	Apr. 7
Apr. 11	Waterloo, Ia.	Apr. 7
Apr. 11	Buffalo, N. Y.	Apr. 7
Apr. 11	Syracuse, N. Y.	Apr. 7
Apr. 11	Cincinnati, O.	Apr. 7
Apr. 11	New Jersey	Mar. 24
Apr. 11	Southmount (mail Johnstown), Pa.	Mar. 31
Apr. 11	Evansville, Ind.	Mar. 31
Apr. 11	Rhode Island Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 11	Michigan City, Ind.	Mar. 31

Bids close		*See Eng. News-Record*
Apr. 12	Oklahoma	Mar. 24
Apr. 12	Lyndon, Kan.	Mar. 24
Apr. 12	Port Gibson, Miss.	Mar. 24
Apr. 12	St. Louis, Mo.	Mar. 31
Apr. 12	New Castle, Del.	Mar. 31
Apr. 12	Massachusetts	Mar. 31
Apr. 12	Bridgeton, N. J.	Mar. 31
Apr. 12	Columbus, O.	Mar. 31
Apr. 12	Washington, Pa.	Apr. 7
Apr. 12	West Allis, Wis.	Apr. 7
Apr. 12	Oklahoma	Apr. 7
Apr. 12	Guthrie Center, Ia.	Apr. 7
Apr. 12	Newark, N. J.	Apr. 7
Apr. 12	Madison, Wis.	Apr. 7
Apr. 12	Meadville, Pa.	Apr. 7
Apr. 12	Boston, Mass.	Apr. 7
Apr. 12	Massachusetts	Apr. 7
Apr. 12	Long Island City, N. Y.	Apr. 7
Apr. 12	Hobart, Okla.	Apr. 7
Apr. 12	Denison, Ia.	Apr. 7
Apr. 12	Winterset, Ia.	Apr. 7
Apr. 12	Coldwater, Mich.	Apr. 7
Apr. 12	St. Wayne, Ind.	Apr. 7
Apr. 12	Columbia, S. C.	Apr. 7
Apr. 13	White Cloud, Mich.	Apr. 7
Apr. 13	Baltimore, Md.	Apr. 7
Apr. 13	Nevada	Apr. 7
Apr. 13	Brooklyn, N. Y.	Apr. 7
Apr. 13	St. George, N. Y.	Apr. 7
Apr. 13	Cleveland, O.	Apr. 7
Apr. 13	Oskaloosa, Ia.	Apr. 7
Apr. 13	New York, N. Y.	Apr. 7
Apr. 13	South Pasadena, Calif.	Apr. 7
Apr. 13	Illinois	Mar. 31
Apr. 13	Dumont, N. J.	Mar. 31
Apr. 14	Kentucky	Mar. 10
Apr. 14	Marion, Kan.	Mar. 24
Apr. 14	Knoxville, Tenn. Adv. Apr. 7.	Apr. 7
Apr. 14	South Carolina	Apr. 7
Apr. 14	Boston, Mass.	Apr. 7
Apr. 14	Dayton, O.	Apr. 7
Apr. 14	Olympia, Wash.	Apr. 7
Apr. 14	Bad Axe, Mich.	Apr. 7
Apr. 15	Hillsdale, Mich.	Apr. 7
Apr. 15	Port Huron, Mich.	Apr. 7
Apr. 15	Lawrence, Kan.	Mar. 10
Apr. 15	Canton, O.	Feb. 3
Apr. 15	Anderson, Ind.	Mar. 3
Apr. 15	Phila., Pa.	Mar. 10
Apr. 15	New Hampshire	Apr. 7
Apr. 16	Warwick, R. I.	Apr. 7
Apr. 17	Anderson, Ind.	Mar. 3
Apr. 18	New Jersey Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 18	Kansas City, Kan.	Apr. 7
Apr. 18	White Plains, N. Y. Adv. Apr. 7.	Apr. 7
Apr. 18	Los Angeles, Calif.	Apr. 7
Apr. 19	Duluth, Minn.	Apr. 7

See proposal advertising on page 167

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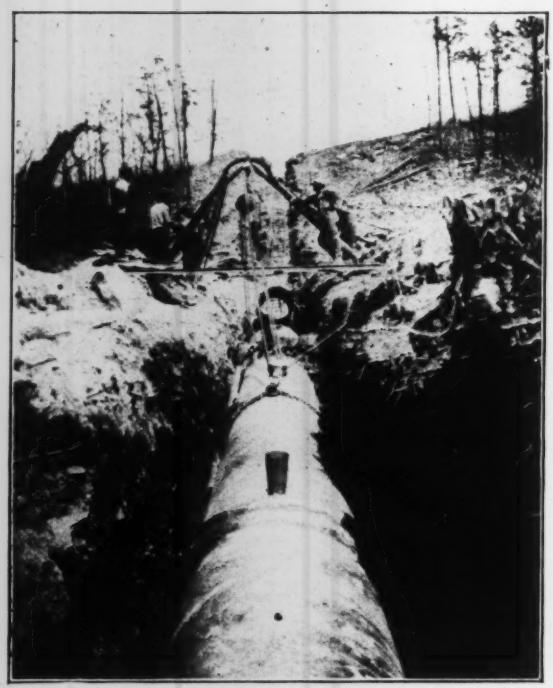
TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Good Pipe Joints



Laying 36-in. c.i. Water Mains with Leadite Joints

Has it occurred to you why so many water works men are using Leadite for making joints in all sizes of cast iron water mains?

There are many sound reasons.

The most important reason is that experience has proven Leadite joints are good joints and improve with age.

The other reasons relate to saving in the cost of material and labor.

Leadite facilitates rapid completion of the work.

Leadite saves money from every angle of pipe laying.

Anyone can make Leadite joints; Leadite is very easy and simple to handle.

Yarn the joint, pour it full of molten Leadite, and the joint is finished.

If you have never tried Leadite, do not pass up a good thing without investigating it.

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c.i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Apr. 19	Emerson, Neb.	Apr. 7
Apr. 19	Washington	Apr. 7
Apr. 19	St. Louis, Mo.	Mar. 31
Apr. 20	Birmingham, Ala.	Mar. 3
Apr. 20	Freehold, N. J. Adv. Apr. 7.	Apr. 7
Apr. 21	Stanton, Neb.	Apr. 7
Apr. 21	Akron, O.	Mar. 31
Apr. 21	Pennsylvania Adv. Apr. 7.	Apr. 7
Apr. 21	Harrisburg, Pa. Adv. Apr. 7.	Apr. 7
Apr. 22	Pennsylvania Adv. Apr. 7.	Apr. 7
Apr. 23	San Antonio, Tex.	Apr. 7
Apr. 25	Birmingham, Ala.	Mar. 31
Apr. 25	New Jersey Adv. Apr. 7.	Apr. 7
Apr. 26	Sharon Springs, Kan.	Apr. 7
Apr. 27	Delaware Adv. Apr. 7.	Apr. 7
Apr. 29	Kentucky	Apr. 7
Apr. 29	Newton, Kan.	Apr. 7
May 1	Duluth, Minn.	Feb. 24
May 25	Duluth, Minn.	Mar. 31
May 28	Duluth Minn.	Apr. 7

Buildings—Commercial

Apr. 11	Nashua, N. H.	Mar. 24
Apr. 11	Cedar Rapids, Ia.	Apr. 7
Apr. 11	Danbury, Conn.	Apr. 7
Apr. 12	San Antonio, Tex.	Apr. 7
Apr. 12	North Braddock (Braddock P. O.), Pa.	Apr. 7
Apr. 12	Louisiana, Mo.	Apr. 7
Apr. 14	Orangeburg, S. C.	Apr. 7
Apr. 15	Wausau, Wis.	Apr. 7
Apr. 15	Alton, Ill.	Apr. 7
Apr. 15	Springfield, O.	Apr. 7
Apr. 16	Columbus, O.	Mar. 31
Apr. 18	Meriden, Conn.	Apr. 7
Apr. 20	Louisville, Ky.	Feb. 17
Apr. 20	Orangeburg, N. Y. Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 20	Ashland, Ky.	Mar. 24
Apr. 23	Columbus, O.	Mar. 31
Apr. 29	Wash., D. C. Adv. Apr. 7.	Apr. 7
Apr. 30	Louisville, Ky.	Mar. 31
May 1	La Junta, Colo.	Feb. 3
May 2	Dallas, Tex.	Apr. 7
May 15	Bellingham, Wash.	Mar. 24

Buildings—Industrial

Apr. 11	Phila., Pa.	Apr. 7
Apr. 12	Pittsfield, N. Y.	Mar. 31

Buildings—Educational, Religious

Apr. 8	Point Grey, B. C.	Apr. 7
Apr. 11	Blissfield, Mich.	Apr. 7
Apr. 11	Syracuse, N. Y.	Mar. 31
Apr. 11	Cincinnati, O.	Mar. 31
Apr. 11	Chanute, Kan.	Apr. 7
Apr. 11	Cincinnati, O.	Apr. 7
Apr. 12	East Greenwich, R. I.	Apr. 7
Apr. 13	Binghampton, N. Y.	Apr. 7
Apr. 13	Bellingham, Wash.	Apr. 7
Apr. 14	Ashtabula, O.	Mar. 31
Apr. 14	Grafton, Wis.	Apr. 7
Apr. 15	Harwich, Mass.	Apr. 7
Apr. 18	Syracuse, N. Y.	Apr. 7
Apr. 20	Ottawa, Kan.	Apr. 7
Apr. 22	Miamisburg, O.	Mar. 31
Apr. 28	Natchez, Miss.	Apr. 7
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Bids close		See Eng. News-Record
Apr. 8	Altering Quarters—Langley Field (Ind. br. Hampton), Va.	Mar. 24
Apr. 11	Post Office—Shelbyville, Ky.	Mar. 17
Apr. 11	Hospital—Ft. Sill (Ind. br. Lawton), Okla.	Mar. 24
Apr. 12	Refrigerating Equipment—Oteen, N. C.	Mar. 17
Apr. 12	Refrigerating Equipment—Maywood, Ill.	Mar. 17
Apr. 12	Roads—Arizona	Mar. 31
Apr. 12	Fish Oil—Wash., D. C.	Apr. 7
Apr. 13	Marine Railway—San Diego, Calif.	Mar. 17
Apr. 14	Mechanical Equipment, etc.—Chicago, Ill.	Mar. 24
Apr. 14	Dredging — Richmond, Calif.	Mar. 24
Apr. 14	Sand, etc.—Chicago, Ill. Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 15	Water Main—Fort Bragg, N. C. Adv. Mar. 24 to Apr. 7.	Mar. 31
Apr. 15	Dredging—Hartford, Conn. Adv. Mar. 17 to Apr. 7.	Mar. 17
Apr. 15	Equipment—Ft. San Houston (sta. San Antonio), Tex.	Apr. 7
Apr. 18	Gangway—Port Townsend, Wash.	Mar. 24
Apr. 19	Post Office—McKees Rock, Pa.	Mar. 24
Apr. 20	Post Office—East Las Vegas, N. M.	Mar. 31
Apr. 20	Steel Post — Chelsea (br. Boston), Mass.	Apr. 7
Apr. 20	Road—California	Apr. 7
Apr. 21	Wards—Ft. Shafter, T. H.	Apr. 7
Apr. 23	Locks—Pittsburgh, Pa. Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 26	Post Office—Lancaster, S. C.	Mar. 24
Apr. 26	Receiving Building—Oteen, N. C. Adv. Mar. 31 and Apr. 7.	Mar. 24
Apr. 26	Deep Wells — Bedford, Mass.	Apr. 7
Apr. 27	Boats—Pittsburgh, Pa. Adv. Mar. 31 and Apr. 7.	Mar. 31
Apr. 29	Post Office—Chamberlain, S. D.	Mar. 24
Apr. 29	Post Office—Newburyport, Mass.	Apr. 7
Apr. 30	Barracks — Fort Bragg, N. C. Adv. Apr. 7.	Apr. 7
May 3	Barrack Bldg.—La Carne, O. Adv. Apr. 7.	Apr. 7
May 3	Water Softening Plant—North Little Rock (Ind. br. Little Rock), Ark.	Apr. 7
May 3	Breakwater — Milwaukee, Wis. Adv. Apr. 7.	Apr. 7
May 9	Post Office, etc.—Coeur D'Alene, Idaho	Mar. 31
May 10	Post Office — Leominster, Mass. Adv. Apr. 7.	Apr. 7
June 1	Quarters—Canacao, P. I.	Mar. 3

Unclassified

Bids close		See Eng. News-Record
Apr. 8	Duct Line—Brooklyn, N. Y.	Mar. 31
Apr. 8	Stadium—Jackson, Mich.	Apr. 7
Apr. 9	Electrical Refrigeration Plant—Richmond, Ind.	Mar. 31
Apr. 11	Fire Alarm System—Long Island City, N. Y.	Mar. 31
Apr. 12	Heating and Ventilating System—Columbia, Mo.	Mar. 24
Apr. 12	Rock Crushing Machinery—Newark, N. J.	Apr. 7
Apr. 12	Signal Lights, etc.—Wilmington, Del.	Apr. 7
Apr. 12	Culverts—Denison, Ia.	Apr. 7
Apr. 12	Golf Houses, etc.—Richmond Hill (ind. br. Jamaica), N. Y.	Apr. 7
Apr. 13	Comfort Stations—Wash., D. C.	Apr. 7
Apr. 13	Refrigeration Equipment—Kings Park, N. Y. Adv. Mar. 17 to Apr. 7.	Mar. 17
Apr. 14	Land Development—Myrtle Beach, S. C.	Apr. 7
Apr. 14	Steam Distribution System—Danville, Pa.	Apr. 7
Apr. 15	Stadium—Grand Forks, N. D.	Apr. 7
Apr. 15	Tracks, etc. — Brooklyn, N. Y.	Apr. 7
Apr. 15	Elevated Road—Long Island City, N. Y.	Apr. 7
Apr. 15	Construction—New York, N. Y.	Apr. 7
Apr. 18	Land Development—Cleveland, O.	Apr. 7
Apr. 18	Gasoline Engine and Generator—Berea, O. Adv. Apr. 7.	Apr. 7
Apr. 19	Fire Alarm Box Circuits—Toronto, Ont.	Apr. 7
Apr. 26	Coal Bunkers, Switchboard, etc.—Illinois	Apr. 7
May 6	Subway—New York Adv. Apr. 7.	Mar. 31

Materials

Apr. 8	Glass—Phila., Pa.	Mar. 31
Apr. 11	Pipe—Montreal, Que.	Mar. 31
Apr. 11	Silica Dust — Lansing, Mich.	Mar. 31
Apr. 11	Structural Steel—Orange City, Ia.	Apr. 7
Apr. 12	Posts—Minnesota	Mar. 31
Apr. 12	Stone, Gravel, Slag, Tar, etc.—Wilmington, Del.	Mar. 31
Apr. 12	Lead Cable — Hartford, Conn.	Apr. 7
Apr. 12	Asphalt, Cement, etc.—Montreal, Que.	Apr. 7
Apr. 13	Copper Wire and Cedar Poles—San Francisco, Calif.	Apr. 7
Apr. 13	Coke—New York, N. Y.	Apr. 7
Apr. 14	Culvert Pipe—Vinton, Ia.	Apr. 7
Apr. 15	Curbing, Castings, Tar, etc.—Chicopee, Mass.	Apr. 7
Apr. 18	Shell—Houston, Tex.	Mar. 31
Apr. 18	Culvert Pipe—Mt. Ayer, Ia.	Apr. 7
Apr. 18	Gasoline—Minneapolis, Minn.	Apr. 7
Apr. 19	Lead—Wash., D. C.	Apr. 7
Apr. 19	Tar, etc.—Newton, N. J. Adv. Apr. 7.	Apr. 7

News of the Week

Waterworks

Proposed Work

Mass., Plymouth—Plans waterworks addition in various streets. $28,000 appropriated. Private plans.

N. Y., Rochester — A. Hazen, 25 West 43rd St., New York City, H. P. Eddy, Boston, and E. R. Fisher, Rochester, engrs., made surveys and recommend raising Honeoye Lake, laying gravity steel conduit to Cobbs Hill reservoir, for increasing water supply. Initial cost $12,000,000. Total $22,000,000. Noted June 17.

N. J., Beachhaven — Boro. A. P. King, clk., plans extending and enlarging waterworks. $18,000.

Ga., Albany—Voted $50,000 bonds, enlarging and increasing facilities waterworks.

Miss., Picayune — Defeated $225,000 bonds, complete waterworks and distribution system, sanitary sewers, etc. in various streets.

La., Winnfield—See "Sewers."

Ia., Blencoe—Election Apr. 14, $20,000 bonds, complete waterworks. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Massena—Making plans waterworks improvements. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Mar. 24.

S. D., Aberdeen—Election Apr. 19, $116,000 bonds, waterworks, incl. reservoir, extending water mains and sewers; also fire ladder truck. A. E. Bennett, city engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Kan., Leavenworth—Making plans waterworks improvements, incl. filter plant, etc. To exceed $15,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Mo., Kansas City—Lake Tapawingo Development Co., 513 Pioneers Trust Bldg., making preliminary plans complete waterworks. $30,000. E. T. Archer & Co., 609 New England Bank Bldg., engrs.

Tex., Honey Grove — Voted $100,000 bonds, waterworks improvements. J. E. Little, city secy. Noted Mar. 10.

Okla., Bison — Made preliminary plans well and deep well pump, extending 2,300 ft. 4 and 6 in. c.i. mains, etc. in various streets. $15,000. C. Snow, mayor. Engineer not selected.

Okla., Carney—Making preliminary plans new waterworks. $20,000. C. A. Wood, Stillwater, engr.

Okla., Meridian — Making preliminary plans new waterworks. $18,000. J. Hudson, mayor. Engineer not selected.

Okla., Moore—Voted $25,000 bonds, new waterworks. E. W. Gantt, 1116 West Main St., Oklahoma City, engr.

Okla., Nelagoney — Made preliminary plans new waterworks. $22,000. G. Henderson, mayor. Engineer not selected.

Okla., Owen—Making preliminary plans new waterworks. $20,000. G. Henderson, mayor. Engineer not selected.

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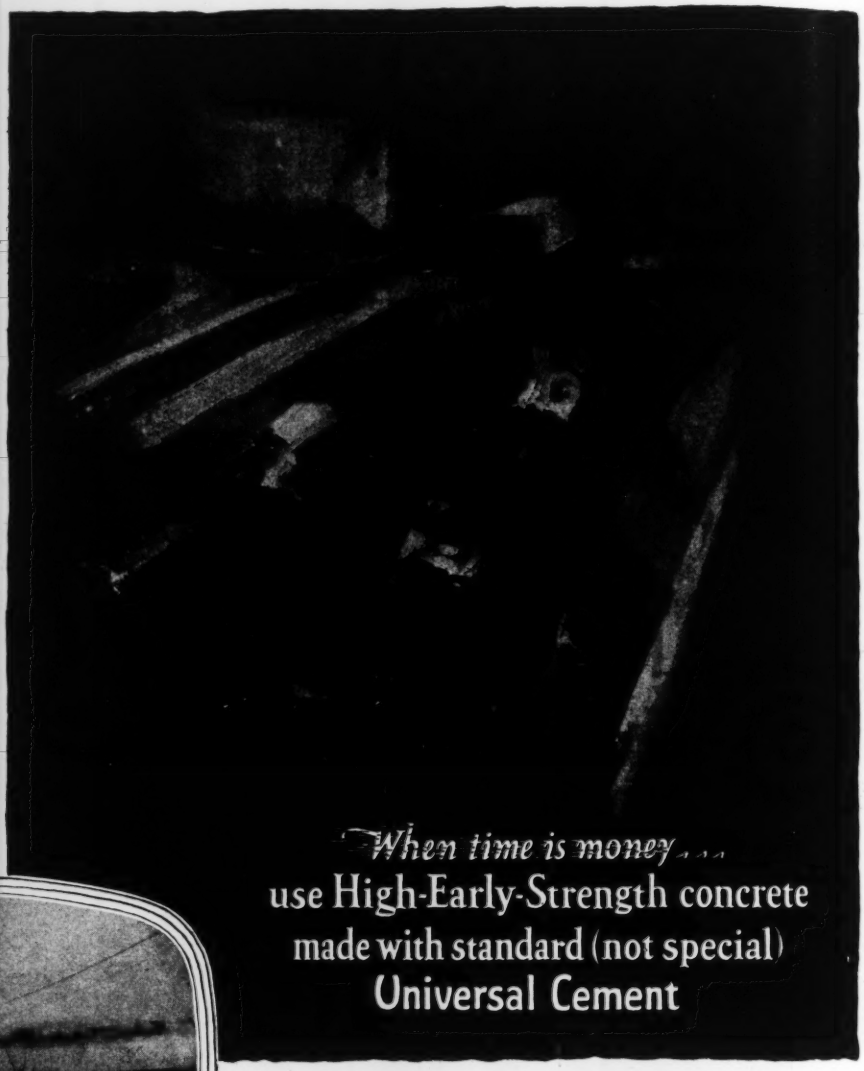
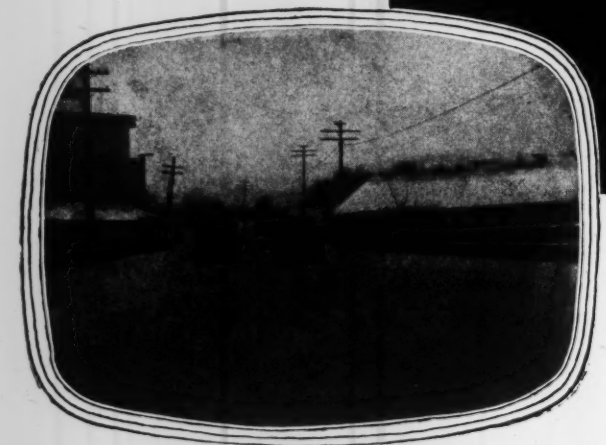


When time is money . . .
use High-Early-Strength concrete
made with standard (not special)
Universal Cement



Duncan Creek Bridge, Chippewa Falls, Wis. Floor slab made with High-Early-Strength *Universal* Concrete and opened to traffic in *3 days*. Alfred Brown, Holcombe, Wis., contractor. S. P. Cray, city engineer. Standard *Universal* (not special) cement, the same quality *Universal* regularly handled, furnished by Clark Grain and Fuel Co., Chippewa Falls.

Ordinary Concrete Has a Strength of About *2000 Lbs.* at *28 Days*

The Strength of *This* Concrete Was *2800 Lbs.* at *3 Days*

Hundreds of motorists using this bridge were saved weeks of inconvenience and delay, the city obtained a permanently *better* and *stronger* bridge floor, and the municipal officials were able to render a genuine public service—thru the use of High-Early-Strength *Universal* Concrete.

Such concrete, which is being used on all types of jobs, is made by using fully tested methods and standard *Universal* cement which, being standard—not special—sells at the regular price. The accompanying coupon will bring full details promptly.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in *3 days* with standard *Universal* (not special) cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR 4-7-27

Waterworks (Continued)

Okla., Pleasant Valley — Making preliminary plans new waterworks. $22,500. S. Reid, mayor. Engineer not selected.

Calif., Ramona—Ramon Irrigation Dist. made plans furnishing and installing 37,000 ft., 2½ in. dipped and wrapped riveted steel pipe; also constructing 100,000 gal. wood stave tank, booster pumping plant, etc. T. K. King, 920-8th St., San Diego, engr. Noted Feb. 4.

Okla., Talihina—Soon takes bids rein.-con. and earth dam, incl. 3.5 mi. 8 in. flow line. $65,000. W. G. Gantt Co., 1116 West Main St., Oklahoma City, engrs. Noted Sept. 2.

Calif., Escondido — Escondido Mutual Water Co., plans 2,000 ft. 4 and 5 in. welded steel pipe replacing abandoned pipe line in valley section.

Calif., San Rafael—Marin Municipal Water Dist. making surveys 1½ m.g. reservoir and 200,000 gal. tank in Belvedere Tiburon section. Private plans.

Calif., Santa Barbara—Plans purchasing during next fiscal year, water-mains in streets to be paved. $40,000. V. Trace, city water supt.

Que., Port Vian—Plans 6- to 8-in. c.i. aqueduct. H. Hamel, mayor. $25,000.

Que., Ste Thecle — Plans c.i. pipe and steel reservoir, $30,000. D. B. Bordelau, promotor. Engineer not selected.

Bids Desired

N. Y., Long Island City—Apr. 8, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 43rd, 48th and 88th Aves.; 48th, 49th, Burnes, Clyde, Exeter, Fleet, and 57th Sts., etc., here.

N. Y., Syracuse—Apr. 18, by Bd. Contr. & Supply, City Hall, 46,000 lin.ft. 6- to 16-in. mains in Valley Annexation, and 22,000 lin.ft. in Eastwood. M. Palmer, City Hall, engr.

Pa., Chester — Apr. 26, at office G. J. Hunter, supt. Streets & Pub. Wks., main pumping station and grit chamber, Contr. 2; also c.i. force main, Contr. 4. R. C. Wheeler, 36 State St., Albany, N. Y., consult. engr.; adv. E. N.-R. Apr. 7.

O., Burton—Apr. 8, by Village, 11,000 ft. 6 in. and 7,000 ft. 4 in. c.i. watermain, and 50,000 gal. steel storage tank. To exceed $25,000. R. F. MacDowell, Chester-Twelfth Bldg., Cleveland, engr.

Ill., Bradley—Apr. 11, by Village, 1,100 ft. artesian well. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Minn., Mankato — Apr. 11, by F. W. Bates, city clk., 7,660 ft. 6 and 8 in. mains, etc., in Bunker Hill Dist. $15,500. P. Comstock, city engr. Noted Mar. 31.

N. D., Rolette—Apr. 15, by City Auditor, waterworks, incl. mains, 2 wells, 50,000 gal. steel tank on 100 ft. steel tower, etc. $15,000. T. R. Atkinson, Bismarck, engr.

Mo., St. Louis—May 3, by Bd. Pub. Serv., 208 City Hall, superstructure 230 x 250 ft. filter plant, 18 ft. high, and 40 x 112 ft. head house, 26 ft. high, both Bedford stone, enamel brick and tile, for Water Dept. $225,000. Study & Farrar, 1363 Arcade Bldg., archts. Noted Mar. 17.

Tex., Abilene—See "Unclassified."

Tex., Wichita Falls—Apr. 18, by J. F. Correll, city clk., 500,000 gal. steel tank and tower. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Mar. 17.

Calif., Oakland—Apr. 15, by J. H. Kimball, secy. East Bay Municipal Utility Dist., constructing Sequoia Aqueduct, also testing laboratory, electric substation and distributing system at Camp Pardee, Mokelumne River Project. Noted Mar. 10.

Contracts Awarded

Mass., Boston — Park Dept., 33 Beacon St., pipe line and grading, from Marine Park to Castle Island, South Boston, to J. A. Singarella, 110 High St., Boston, $20,050. Engrs. est. $25,000.

Mass., Everett (Boston P. O.) — City, Dept. Pub. Wks., 50 tons 8 in., 20 tons 10 in., and 100 tons 6 in. Class B, Am. W.W.A. c.i. pipe, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa. $47.90 per ton. Noted Mar. 17.

Mass., Somerset — Town, Water Supply Comn., 2 steel standpipes, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa. Engrs. est. $25,000 or more.

R. I., Providence—City, Water Supply Bd., City Hall, for Longview Reservoir, 200 x 320 ft., concrete covered, North Providence, to F. T. Westcott & J. A. Munroe, North Attleboro, Mass., $298,525. Noted Mar. 3.

N. Y., Syracuse—Bd. Contr. & Supply, 30,000 lin.ft. 6- to 12-in. c.i. mains in Valley Annexation, to Pepper Bros., Syracuse, $21,288.

O., Barberton—Standpipe in East Paige Ave., to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $26,000; also mains in various streets to J. Kuhn, Barberton, $35,600, and laying pipe for same to Lynchburg Fdry. Co., Lynchburg, W. Va. $48,300. Grand total $109,900.

O., Cleveland—Cuyahoga Co., constructing 5,400 ft. 12 in. c.i. main in Maple Ridge Rd., Impvt. 761, to E. P. Langehan Constr. Co., Marshall Bldg., $24,048. Noted Mar. 10.

Ind., Elkhart—Bd. Pub. Wks., rein.-con. receiving reservoir, Contr. 1, to Merkle Contg. Co., 1318 Hyde Park Bldg., Chicago, Ill., $49,300. Noted Mar. 10.

Mich., Detroit—Dept. Water Supply, 132,000 ft. 8 in. Class 150 De Lavaud water pipe, f.o.b. sidings Detroit, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., and 132,000 lin.ft. of above pipe to U. S. Cast Iron Pipe Co., Burlington, N. J., each at $0.90 per ft.

Ia., Iowa City—Waterworks improvements, incl. 400,000 gal. underground reservoir, aerator, low pressure pump and engine, etc., to Priester Constr. Co., Kahl Bldg., Davenport. Engrs. est. $75,000.

Minn., Red Wing—S. T. Irvine, city clk., 1,200,000 gal. rein.-con. reservoir, to G. P. Peterson & Son, Mason City, Ia., $27,027. Noted Feb. 17.

Kan., Randolph—L. E. Boles, city clk., general work and 10 in. 60 ft. well, to R. Knox, Palmer, $5,441; deep well pump, to T. Cowan & Smith, 1005 Davidson Bldg., Kansas City, Mo., $1,672; concrete reservoir, to Gustafson & Forsberg, Leonardville, $1,995; 16,630 ft. 2- to 6-in. c.i. pipe, to U. S. Cast Iron Pipe Co., 604 Interstate Bldg., Kansas City, Mo., $9,319; also hydrants and valves, to Waterbus Fire Engine Co., Minneapolis, Minn., $1,208. Grand total $19,635. Noted Mar. 3.

N. D., Devils Lake—M. Olsen, city aud., drilling approximately 1,460 ft. well and 1 test well, to J. L. Larson, Yankton, S. D., $15,720 and $1,500 respectively. Noted Feb. 3.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 600 ft. hurdle dykes in Missouri River on St. Charles County side near Howards Bend Waterworks Station, to ansas City, Bridge Co., Orear-Leslie Bldg., Kansas City, $18,076. Engrs. est. $25,000. Noted Feb. 24.

Okla., Enid—Rein.-con. covers for 2 reservoirs, to Shaw & Woelke, Enid, approximately $26,000.

Okla., Shawnee — Waterworks extension and new water supply, to H. L. Cannady, 1116 South Lewis St., Tulsa, $495,398.

Wash., Seattle—City Council, constructing centrifugal c.i. spillway pipeline between north end reservoir and waterfront, also main between Mason Gulch Pumping Sta. and waterfront main, to S. A. Moceri, Inc., 924 23rd Ave., $38,318.

Calif., Barnes City—For 6- to 8-in. mains in Berryman Ave., etc., to R. Averill, 6141 Warner St., Los Angeles, approximately $40,000.

Calif., Beverly Hills—For 5 m.g. reservoir, to H. W. Rohl Co., 625 Market St., San Francisco, $57,300.

Sewers

Proposed Work

Mass., Arlington—Plans extending sewerage system in various streets, $73,000 appropriated; extending storm drains in various streets, $35,000 appropriated; and trunk line drain connecting with Alewife Brook, $15,000 appropriated. Private plans.

Mass., Framingham — Plans sewerage works in various streets $35,250 appropriated. Private plans.

R. I., Providence—Plans sewerage works in Highland, Maplehurst, Rushmore and Hunnewell Aves., Eaton and Judith Sts. $25,000. Sewerage Dept., City Hall, engr.

Miss., Picayune—See "Waterworks."

La., Opelousas — Election soon $70,000 bonds, sewerage system; and $25,000 bonds, sewage disposal plant.

La., Winnfield — Voted $103,000 bonds, sewers in various streets; and $44,000 bonds, waterworks improvements. C. D. Evans, Levy Bldg., Shreveport, engr. Noted Feb. 17.

O., Norwood (Ind. br. Cincinnati)—Plans 1,820 ft. 30- to 36-in. rein.-con. and 2,190 ft. 12- to 24-in. vitr. clay storm sewer in Allison, Mills and Carter Sts. $40,000. J. H. Wadsworth, City Hall, engr.

O., Rittman—Village Council soon takes bids sewer in area recently annexed to town. $40,000.

Ind., Anderson—Plans 2½ mi. sewer in North Anderson Dist. $200,000. M. H. Downey, City Hall, engr.

Ind., Richmond—Making plans sanitary sewer in various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Ill., Herrin—Will not construct complete sanitary sewerage system. Project abandoned. $300,000. G. H. Anderson, City Hall, engr. Noted Mar. 24.

Ill., Millstadt—Voted $47,000 bonds, complete sanitary sewerage system.

Wis., Arcadia—Plans sanitary sewerage system. $50,000.

Wis., Wauwatosa—Making plans concrete and vitr. clay sewers in Kinsman St., Jackson Park Blvd., Swan Rd., June and Westmont Places, Coolidge and Stickney Aves. J. E. Lowther, city engr.

Wis., Whitefish Bay—Making plans 10,500 ft. concrete or terra cotta sewers in Chateau Pl., Hampton Rd., Lexington Blvd., etc. T. F. Buckley, Whitefish Bay, engr.

S. D., Aberdeen—See "Waterworks."

Tex., San Antonio—Soon takes bids 2½ mi. sewers Lakeview Addition and Apache Creek Dist. $150,000. I. Ewig, city engr. Noted Mar. 3.

Okla., Ada—Election Apr. 12. $45,000 bonds, sewage disposal plant; and $17,500 bonds, electric "White Way" lighting system. L. Daggs, city clk.

Okla., Konawa—Election Apr. 15, $65,000 bonds, 41,000 ft. 6- to 12-in. vitr. clay, etc. sewers in all streets. J. C. Milliken, Continental Bldg., Oklahoma City, engrs. Noted Dec. 16.

Okla., Pershing — Made preliminary plans 11,000 ft. 10 in. vitr. clay pipe, etc., in various streets. $27,500. C. Owens, mayor. Engineer not selected.

Okla., Ponca City—Making plans new sewage disposal plant. $60,000. H. W. Crawford, Ponca City, engr.

Okla., Shawnee—Making plans 60,000 ft. 8 in. tile sewers in various streets. $135,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Sept. 16.

Calif., Atwater—Making estimates sewerage system. To exceed $50,000. W. E. Bedesen, Shaffer Bldg., Merced, engr.

Calif., Buena Park—Plans election $60,000 bonds, constructing joint outfall sewer to connect with La Habra system.

Ont., Toronto—Robins Ltd., 347 Bay St., plans 3 mi. 8 in. and up vitr. clay sewers in subdivision Armour Heights from Wilson Ave. N. $40,000.

Bids Desired

Mass., West Roxbury (br. Boston)—Apr. 13, by Dept. Pub. Wks., Boston, sewerage works in various streets, here. $25,000 bonds. J. H. Sullivan, comr.

N. Y., Syracuse—Apr. 11, by Bd. Contr. & Supply, City Hall, 17,188 lin.ft. 6- to 27-in. vitr. clay sewers in Meadowbrook Dr., Lancaster St., etc. N. F. Pitts, Jr., City Hall, engr.

N. J., Paterson—Apr. 12, by Bd. Pub. Wks., City Hall, E. Dupree, clk., sewers in 9th Ave. and East 28th St. Noted Mar. 24.

N. J., Longport — Apr. 23, by Boro Comrs., Boro Hall, sanitary sewerage system and treatment plant. E. D. Rightmire, 531 Guarantee Trust Bldg., Atlantic City, boro engr.; adv. E. N.-R. Apr. 7.

Md., Baltimore—Apr. 13, by Bd. Awards, mains in Cold Spring Lane from Underwood Rd., to point 100 ft. west Kernwood Ave. G. F. Wieghardt, City Hall, water engr.

Delaware and Maryland — Apr. 26, by Mayor and Council, Delmar, Md., and Comrs. Delmar, Del., Firemans Hall. State St., sanitary and storm sewers, and disposal plant; adv. E. N.-R. Apr. 7.

D. C., Wash.—Apr. 26, by District Comrs., District Bldg., 10,313 lin.ft. 10 in. to 8 ft. sewer in various streets.

O., Cleveland Heights (br. Cleveland)—Apr. 11, by City, sewer in Powell, Shannon, Severn and Bendemeer Rds. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engr.

Mich., Detroit—Apr. 13, by Commissioner Pub. Wks., 8,873 ft. concrete and brick sewer in Plymouth Ave. Arm; 3,510 ft. Hubbell Ave. Sewer Sects. 2 and 3; 2,299 ft. Ashland Ave. Sewer Sect. 6; 2,669 ft. Seven Mile Rd. Sewer, Sect. 10; and 6,753 ft. Seven Mile-Annott Arm, Ashland Ave. Sewer. P. A. Fellows, City Hall, engr.

Mo., Kansas City—Lake Tapawingo Development Co., 513 Pioneer Trust Bldg., taking bids sewers in various streets. $40,000. E. T. Archer & Co., 609 New England Bank Bldg., engrs.

Mo., St. Louis—Apr. 19, by Bd. Pub. Serv., 208 City Hall, Wherry Ave. Joint Dist. Sewer, Sect. 1, 5,850 ft. 33 in. to 12 ft. rein.-con., brick, segmental block or vitr. clay pipe, $210,000; Sect. 2 same sewer 8,650 ft. 30 in. to 9 ft. pipe $185,000; and

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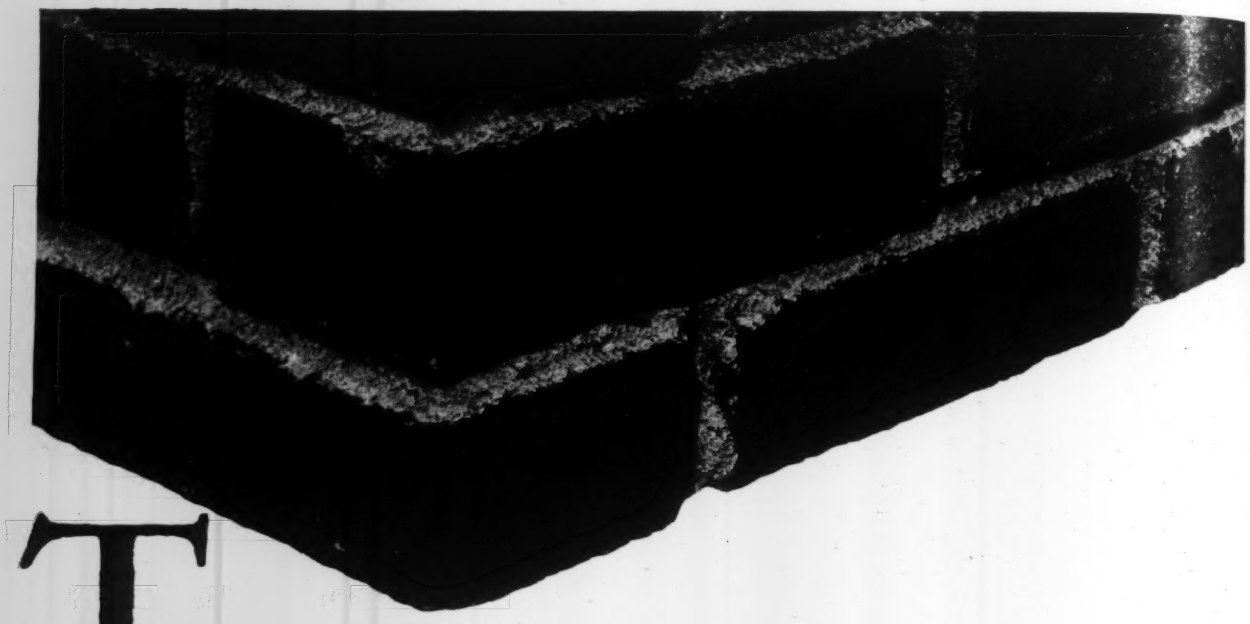

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BRIXMENT

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Sewers (Continued)

Loughborough Joint Sewer, 4,010 ft. 39- to 72-in. pipe, $60,000. W. W. Horner, 300 City Hall, engr.

Mo., Sedalia—Apr. 14, by City Clerk, sewers in various streets. $150,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, engrs. Noted Mar. 10.

Tex., Abilene—See "Unclassified."

Calif., Los Angeles — Apr. 13, by A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 5, for Moneta Trunk Sewer from Strawberry St. to Amestoy Ave., 7,796 ft. 10 in. vitr. pipe, etc.

Calif., Redondo Beach—Apr. 18, by City Trustees, 3,470 ft. 15 in. concrete or vitr. clay sewers in various streets. To exceed $25,000. V. H. Staheli, city engr. Noted Mar. 24.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, storm water sewer in East 27th St., etc., to Montrose Contg. Co., 5293 Fort Hamilton Parkway, $1,566,913; sewers in Schenectady Ave., to S. Ambrosio, 1016 60th St. $3,210, Atkins Ave., to Manmill Constr. Co., 1780 Pitkin Ave. $2,219, in Baughman Pl., to Tomassetti & Co., 1059 60th St. $2,219, and in East 19th St. $281. Grand total $1,574,842. Noted Mar. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Ditmars Ave., to J. Gallo, 169 10th St., $7,823; in Nelson and Van Buren Aves., to G. A. Everett, 13030 109th St., Richmond Hill, $4,887 and $13,179 respectively. Grand total $25,889. Noted Mar. 17.

N. Y., New York — See "Streets and Roads."

Md., Baltimore—City Council, storm drains and sanitary sewers in Dists. C-11 and C-13, Storm Water Contr. 100, 1,295 lin.ft. 10 ft. ½ in. x 5 ft. 8 in. semi-elliptical brick and concrete pipe, 3,035 lin.ft. 18 in. vitr. pipe, 1,385 lin.ft. 21 in. vitr. drain, 2,798 lin.ft. 15 in. vitr. sewer and drain, 18,000 lin.ft. 4 and 6 in. underdrain, etc., to F. Angelozzi, 238 Albermarle St., $155,889.

O., Cleveland — Comrs. Cuyahoga Co., 6,600 ft. 8- to 54-in. concrete sewer in West 54th St., to Abood & Lewis Constr. Co., 626 Huron Rd., $89,258. Noted Mar. 3.

O., Cleveland Heights (br. Cleveland)— To James & Harwood, 9601 Easton Ave., Cleveland, sewers in Fairmount Blvd. and Coventry Rd. $6,468, Euclid Blvd. $5,505, and Hampshire Rd. $15,768. Grand total $27,741. Noted Mar. 31.

O., Fairview (br. Cleveland)—Village, sewers in West 227th St. and Westwood Ave., to Gantose Constr. Co., Brookpark Rd., Cleveland, $54,732 and $39,431 respectively.

Mich., Detroit—Dept. Pub. Wks., Newport Ave. Arm sewer in Newport Ave., to J. Rossi, 4148 Seneca Ave., $104,676; Ellesmere-Lawndale Arm, of Baby Creek in Ellesmere Storm Sewer, to A. Rossi, 5307 Pennsylvania Ave., $132,999; Baby Creek-Ellesmere Sewer, to Jeynes & Son, 3202 Whitney Ave., $149,394; and Mandale-Gartner Arm of Baby Creek-Ellesmere Storm sewer in Mandale and Gartner Aves., to R. D. Baker, 1631 Elmhurst Ave., $146,732. Grand total $533,801. Noted Feb. 24.

Ill., Albion—Bd. Local Impvts., 46,707 ft. 8- to 12-in. vitr. clay sewers, 334 ft. 6 in. raised connections, 559 ft. 6 in. tee connections, 18 brick manholes, 15 flush tanks, 3 lamp holes, 2 pumping stations, etc., to Christensen Bros., Urbana, $82,929. Noted Feb. 10.

Ill., Milmette—For 12,780 ft. 6- to 16-in. tile sewers, 2,920 ft. 24 in. concrete cradle, 46 brick manholes in various streets, to C. Conrad, Evanston, $68,856. Noted Sept. 2.

Neb., Omaha — J. P. Hoctor, city clk., to Humphreys Bros., 408 Securities Bldg., vitr. clay and rein.-con. sewers in Dist. 1008, $26,703, and Dist. 961 $3,352, vitr. clay sewers in Dist. 1007 $2,409, Dist. 1004 $1,988, and Dist. 1005 $1,035; to F. L. Busche, 4118 North 30th St., vitr. clay or rein.-con. sewers in Dist. 1006 $9,080, and rein.-con. sewer in Dist. 905 $7,485; also to G. Carlson, 4665 Pierce St., concrete sewer in Dist. 925 $1,831. Grand total $53,093. Noted Mar. 10.

Mo., St. Joseph—See "Streets and Roads."

Tex., San Antonio—For 3 mi. 12- to 18-in. mains and 4 in. laterals in Jefferson Heights section, to N. A. Saigh Constr. Co., c/o Builders Exch. Bldg., $52,000. Noted Feb. 24.

Okla., Tulsa—Extending sewer 21,290 ft. 12- to 18-in. segmental block sewers, etc., to Irving Pl. Addition, to C. M. Brown, Nebraska Bldg., $42,910. Engrs. est. $45,000.

Wash., Seattle—Bd. Pub. Wks., sewers in Thorndyke Ave. et al, to Badolato & Arocrace, 3005 West 61st St., $40,244; and 45th Ave. N. E. et al, to Thomas Scalzo & Co., 1708 22nd St. S., $24,992.

Ont., Toronto—York Twp., storm and sanitary sewers in Brownville Ave. and lane, to Kilmer & Barber, 10 Adelaide St., E., $14,865; in Baby Point Rd. and Atlas Ave., to A. Cavotti, 257 Euclid Ave., $10,155 and $634 respectively; in Bernice Crescent and Lyndon Ave., to Dept. Pub. Wks., by day labor, $14,770 and $1,393 respectively. Grand total $41,817.

Waste Disposal

Proposed Work

N. J., Long Branch—Plans 100 ton daily capacity incinerator plant. $70,000. Address Mayor. Engineer not selected.

Contracts Awarded

N. J., Pensauken (mail Merchantville)—Pensauken Twp., incinerator, to DeCarie Corp., 342 Madison Ave., New York City, $62,190.

Bridges

Proposed Work

Mass., Lancaster — See "Streets and Roads."

Mass., North Attleboro—See "Streets and Roads."

Mass., Plymouth — See "Streets and Roads."

N. Y., Huntington—Town Bd. and Long Island R.R. Co., Pennsylvania Sta., New York City, A. C. Watson, ch. engr., plan three 45 ft. span, concrete bridge to carry East Northport-Kings Park Town Highway over railroad tracks between East Northport and Kings Park. $40,000.

Miss., Vicksburg—Vicksburg Bridge & Terminal Co. soon takes bids one 420 ft., one 800 ft., and four 400 ft. span fixed steel truss bridge and concrete piers, etc. over Mississippi River.

Tenn., Tiptonville — See "Streets and Roads."

Mo., Hermann—Syndicate forming, c/o Chamber of Commerce, making preliminary plans rein.-con. and steel vehicular and pedestrian bridge over Missouri River, to carry State Highway 45 through here to point near McKittrick. $750,000 upwards.

Arkansas—State Hy. Dept., Little Rock, making preliminary plans rein.-con. and steel bridge over Ouachita River, Union and Calhoun Counties. O. L. Hemphill, highway engr.

Tex., Alice—See "Streets and Roads."

Tex., Anderson—See "Streets and Roads."

Tex., Plemons—Hutchinson Co. making plans concrete and steel bridge across Canadian River near Stinnett. $60,000. E. McBridge, Plemons, co. engr.

Tex., Roma—Starr County Bridge Co. making plans concrete and timber foot and vehicle toll bridge across Rio Grande River. $45,000. Private plans.

Tex., Uvalde—See "Streets and Roads."

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans 1 span 90 ft. steel truss bridge on piers near Custer City, $30,000; and 2 span 160 ft. steel truss bridge on piers near Arapahoe, $40,000, both on Highway 14, Custer Co. J. M. Page, highway engr.

Okla., Holdenville — Made preliminary plans 40 span 4,800 ft. steel truss bridge over Canadian River. $200,000. C. H. Edge, Holdenville, engr.

Okla., Sand Springs — State Hy. Dept., Oklahoma City, made plans 1,800 ft. rein.-con. and steel truss bridge over Arkansas River, south of here. $400,000. J. M. Page, highway engr. Noted Aug. 19.

California—State Hy. Dept., Sacramento, making plans constructing Herndon Bridge, approximately 965 ft. concrete and steel bridge over San Joaquin River, Fresno Co. $200,000 or more. R. M. Morton, Strub Bldg., Sacramento, engr.

Ont., Toronto—City and East York Twp. plan replacing timber bridge with 200 ft. concrete or concrete and steel bridge, 66 ft., on Moore Ave. $150,000. R. C. Harris, city engr. G. R. Jack, 443 Sammon Ave., twp. engr.

Que., Cap de la Madeleine—St. Maurice Valley Corp., making plans steel trestle on concrete foundation to carry logs from wharf to mill. $110,000. C. H. Jette, Cap de la Madeleine, engr.

Bids Desired

Pa., Glassport — Apr. 13, by Comrs. Allegheny Co., Pittsburgh, superstructure bridge over Monongahela River, here. $401,000.

Pa., Mercer—Apr. 19, by Comrs. Mercer Co., constructing Bridge 1412, Delaware Twp.; Bridges 1919, 1920 and 1921, Jefferson Twp.; Bridge 2328, Hickory Twp.; Bridge 2905, and 1906, Wilmington Twp. E. J. Jones, co. clk.; adv. E. N.-R. Apr. 7.

Pa., Phila.—Apr. 13, by C. E. Walsh, purch. agt. Pennsylvania R.R., at 17th and Filbert Sts., scale and platform bridges, also steel superstructure for bridges, Contr. 42-1927; and frogs, switches, crossings, etc., Contr. 43-1927. T. J. Skillman, Broad St. Sta., ch. engr. for railroad.

W. Va., Morgantown—Apr. 18, by Monongalia Co. Court, Project 1, 2 overhead crossings and 2 rein.-con. culverts; Project 2, 16 ft. rein.-con. slab bridge and 1 box culvert; Project 4, 16 ft. span rein.-con. slab bridge, Project 5, one 50 ft. span rein.-con. deck girder bridge one 24 ft. slab bridge and rein.-con. box culvert; Project 7, one 30 ft. span rein.-con. deck girder bridge and rein.-con. culvert. W. S. Price, co. road engr.

South Carolina—See "Streets and Roads."

Kentucky — Apr. 28, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project)**, one 66 ft. and two 44 ft. rein.-con. spans and concrete substructure bridge over Southern R.R. tracks, on Covington-Lexington Rd., F. A. P. 100 B, Boone Co.; one 180 ft. steel span bridge, etc., over Tradewater River, on Dawson Springs-Princeton Rd., F. A. P. 153-C, Caldwell and Hopkins Counties; two 45 ft. concrete spans, concrete piers and abutments substructure and four 150 ft. steel span superstructure bridge over Levisa Ford of Big Sandy River, on Pikeville-Whitesburg Rd., F. A. P. 127-D, Pike Co.; nine 30 ft. concrete girder spans and 1,070 ft. earth approaches over Louisville & Nashville and Louisville & Interurban R.R. tracks, on Louisville-Shelbyville Rd., F. A. P. 117-A. Shelby Co. E. N. Todd, highway engr. H. R. Creal, bridge engr.

Wis., Madison—See "Streets and Roads."

Ia., Denison—See "Unclassified."

Ia., Estherville—Apr. 15, at office Auditor Emmet Co., 156 ft. rein.-con. deck girder bridge, incl. two 42 ft. and one 64 ft. spans, also removing present 100 ft. steel truss bridge, approach spans and old pier. F. A. MacDonald, Estherville, co. engr.

Kan., Ft. Scott—Apr. 15, by W. I. West, clk. Bourbon Co., one 110 ft. marsh arch span with 40 ft. girder approach, 20 ft. over Osage River, on Federal Aid Project 5-C. H. C. McCurley, Court House, engr. Noted Feb. 10.

Kan., Wamego — Apr. 19, by County Clerk Wabaunsee Co., Alma, seven 28 ft. span concrete arch bridge or six 150 ft. span high truss steel bridge on Federal Aid Project 243-A, here, for Wabaunsee Co. (Alma) and Pottawatomie Co. (Westmoreland). Former bids rejected. Noted Mar. 17.

Mo., Cassville—Apr. 9, by Clerk Barry Co., 2 alternate types bridges (823 ft. total length) over White River. J. C. Harvey, Court House, engr.

Mo., St. Louis—See "Unclassified" under Kansas and Missouri.

Calif., Oakland—Apr. 18, by G. E. Gross, clk. Alameda Co., rein.-con. and steel girder bridge over Arroyo de La Laguna near Hacienda. To exceed $50,000. G. A. Posey, Oakland, co. surv.

Contracts Awarded

Mass., Gloucester—Comrs. Essex Co., reconstructing steel girder bridge, on Western Ave., to Hall Bros., 446 Washington St. Engrs. est. $25,000. Noted Mar. 17.

Mass., Seekonk — Commonwealth of Massachusetts, Dept. Pub. Wks., Boston, rein.-con. bridge, here, to Atwood & Thomas, Middleboro. Engrs. est. $25,000. Noted Mar. 17.

R. I., Providence—City, Dept. Pub. Wks., completing substructure Points St. Bridge, to Aberthaw Co., 80 Federal St., Boston, Mass. Former contract rescinded. Noted Aug. 5.

N. J., Somerville — Bd. Freeholders Somerset Co., Court House, Gladstone Bridge, in Peapack-Gladstone Boro, to Chester Valley Constr. Co., Coatesville, Pa., $18,834. Noted Mar. 10.

Pa., Pittsburgh — Comrs, Allegheny Co., constructing J. P. Moore Memorial Bridge, Georgia Ave., here, to Wilmerding Supply Co., Station St. and Caldwell Ave., Wilmerding, $210,880.

Pa., Pittsburgh—Comrs. Allegheny Co. additional steel superstructure Contr. 2, Bridge 10 over Monongahela River, here, to Independent Bridge Co., May Bldg., $98,386. Engrs. est. $100,000.

Virginia — State Hy. Comn., Richmond, one 90 ft. steel truss and five 30 ft. rein.-con. beam span bridge over Meherrin

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Bridges (Continued)

River, Route 31, Project F-467-C, Brunswick Co., to Woolfolk & DeJarnette, Princeton, W. Va., $24,810; and one 37 ft. steel truss and ten 35 ft. rein.-con. beam span approach bridge over Roanoke River, Route 31, Project F-471-C, Mecklenburg Co., to J. S. Bowers, Whiteville, N. C., $29,139. Noted Mar. 10 under "Streets and Roads."

Florida—See "Streets and Roads."

O., Cleveland—Bd. Comrs. Cuyahoga Co., 29 ft. twin span rein.-con. bridge, on East 185th St., to Good Constr. Co., Leader Bldg., $20,164. Engrs. est. $23,526. Noted Mar. 17.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, **(e. e. means engrs. est.)**, one 124 ft. span steel truss bridge over Pine Creek, and one 24 ft. span rein.-con. girder bridge over branch of Pine Creek, Benton Co., to Vincennes Bridge Co., Vincennes, $23,894 e. e. $25,787; two 60 ft. span rein.-con. arch bridge, and two 60 ft. span rein.-con. arch bridges over Lick Creek, Orange Co., to J. L. Hamilton, Greencastle, $27,917 e. e. $31,080; also two 100 ft. span bridges and one 32 ft. span bridge, Lake Co., to J. E. Sweet & Sons, Woodburn, $3,411. Grand total $55,222. Noted Mar. 3.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 96, Sect. 126-C, Adams Co., and on Route 116, Sect. 112-C, Livingston Co., to Vincennes Bridge Co., Vincennes, Ind., $6,347 and $8,094 respectively; bridge on Route 116, Sect. 112-B, Livingston Co., to Porter McCully Constr. Co., Mackinaw, $7,455. Grand total $21,896. Noted Jan. 27.

Minn., Minneapolis—Great Northern R.R. Co., J. R. W. Davis, ch. engr., St. Paul, and Minneapolis & St. Paul R.R. Co., R. J. Kenly, ch. engr., Transportation Bldg., 725 ft. rein.-con. and steel bridge over railroad tracks, at Laurel Ave., to Industrial Contg. Co., 3050 4th Ave., approximately $100,000. Owners furnish materials. Noted Dec. 9.

Mo., St. Joseph — Constructing Eugene Field Rd. Bridge, and Woodburn Ave. Bridge, each 61 ft. I-beam spans, to Allied Contractors, Inc., 1803 Douglas St., Omaha, Neb., $4,473 and $4,111 respectively; Garfield Ave. Bridge, 520 ft. rein.-con. slab, etc., to Eberhardt & Shriver, Salina, Kan., $69,926; and 22nd St. Subway, 80 ft. long, 30 ft. wide, rein.-con., to Carruthers & Huggins, 310 Walsix Bldg., Kansas City, $19,638. Grand total $98,148.

Tex., San Antonio—City, c/o J. W. Tobin, mayor, 80 ft., rein.-con. and steel bridge, 55 ft., across San Antonio River, on Pecan St., to Pryor & Jeffrey, c/o Builders Exch. Bldg., approximately $25,000. Noted Mar. 31.

Railways

Proposed Work

Texas—San Benito & Rio Grande Valley Ry. Co., G. H. Winsor, pres. and genl. mgr., San Benito, plans 7 mi. (1st unit) 15 mi. railway from La Paloma to Brownsville. $140,000. Private plans.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Massachusetts—Commonwealth of Massachusetts, Dept. Pub. Wks., Boston, plans filling in and improving Ft. Point Channel above Dorchester Bridge. $25,000. W. F. Williams, comr.

Ia., Cedar Rapids—Making plans 640 ft. seawall on east bank Cedar River, 28 ft. high, 2,382 cu.yd. concrete, 264,321 lb. steel, 5,734 ft. timber piling, etc. $100,000. R. W. Gearhart city engr.

Minn., Granite Falls — Yellow Medicine Co., G. H. Wilson, aud., making plans County Ditch 31, approximately 4 mi. open ditch, 150,000 cu.yd. excav. and 3 mi. tile drain. $27,500. E. W. Youngdale, Granite Falls, engr.

Texas—J. E. Graham, 408 East Quincy St., San Antonio, making plans diverting water from Fresnos Resaca for irrigating 3,071 acres in Cameron Co. $40,000 (mostly machinery). Private plans.

Tex., Houston—Election Apr. 11, $1,600,000 bonds, drainage work. O. F. Holcombe, Houston, mayor.

Ont., Riverside—Town Council plans concrete wall along waterfront. $100,000. Code & Code, Provincial Bank Bldg., Windsor, engrs.

Bids Desired

Minn., Benson—Apr. 26, by Comrs. Swift Co., Court House, excavating 43,408 cu.yd. Job 2702; 28,172 cu.yd. Job 2703; 15,142 cu.yd. Job C 2701, etc.

Calif., Turlock—Apr. 19, by A. Sorensen, secy. Turlock Irrigation Dist., constructing two 7,500 kw. units at Don Pedro Power Plant, 3,000 bbl. cement, 75,000 lb. structural steel, turbines, generators, etc.

B. C., New Westminster—Apr. 19, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing North Dikes 2 and 3, at Steveston, Fraser River, here $40,000.

Contracts Awarded

Fla., Fort Lauderdale—City Comn. (1st unit), proposed Bay Marble Harbor and Fort Lauderdale unit, to Tropical Dredging & Constr. Co., Hollywood, $2,432,978 and $2,571,217 respectively. Noted Mar. 3.

Ill., Steger—See "Unclassified."

Neb., Peru—Peru D. D. 6, A. D. Major, secy., draining approximately 4,200 acres, incl. approximately 300,000 cu.yd. dragline excav., to R. Clevenger, Peru. Engrs. est. $50,000. Noted Jan. 13.

Ark., Jonesboro—Bay of St. Francis D. D. 29, Craighead Co., 1,284,000 cu.yd. ditch excav. and 1,858,000 cu.yd. levee excav., to O. Kochtitzky, Blytheville and England, $392,000.

Que., Cap de la Madeleine—St. Maurice Valley Corp., 800 ft. concrete retaining wall, to C. H. Clifford, Three Rivers. $75,000.

Streets and Roads

Proposed Work

Mass., Arlington—Plans reconstructing highways. $117,000 appropriated. Private plans.

Mass., Cambridge (Boston P. O.)—Plans rebuilding Garden and Sherman Sts. $25,000 or more. Private plans.

Mass., Clinton—Plans reconstructing various roads $55,000 appropriated. Private plans.

Mass., Framingham—Plans reconstructing highways. $105,000 appropriated. Private plans.

Mass., Lancaster—Plans reconstructing highways and bridges. $35,900 appropriated. Private plans.

Mass., Lexington—Plans reconstructing Massachusetts Ave., through business section. $25,000. Private plans.

Mass., North Attleboro—Plans reconstructing highways and bridges. $55,980 appropriated. Private plans.

Mass., Plymouth—Plans reconstructing various roads and bridges. $40,000 appropriated. Private plans.

Mass., Roxbury (br. Boston)—Dept. Pub. Wks., Boston, plans laying out and constructing Westminster Rd. from Westminster Ave. to Walnut Park, here. $25,000. J. H. Sullivan, comr.

R. I., Woonsocket—Plans paving various streets. $300,000. J. H. Paquin, mayor. Address City Engineer.

Conn., New Britain—Plan paving Main and Chestnut Sts. $50,000. J. D. Williams, city engr.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, rejected bids Mar. 23, grading, curbing East 8th St.; grading, curbing and asphalt on 6 in. concrete paving Colonial Rd., Prospect Park Southwest, 7th Ave., etc. Will readvertise. Noted Mar. 17.

N. Y., Syracuse—Plans grading, curbing, guttering and paving Menlo Dr., Filmore Ave., Bennington and Walrath Rds., $187,350. Garfield Pl., $11,320; Chemung St., $14,140; Wadsworth St., $49,420; Erie Blvd., $100,940; Hood Ave., $55,620; Hastings Pl., $10,810; Shotwell Park, $5,780; Lenox Ave., $26,480; Oakland St., $18,800; Fineview Pl., $12,330; and Stadium Pl., $8,050. N. F. Pitts, Jr., city engr.

N. J., Haddon Heights — Boro Council making plans concrete paving various streets in Farifield Estates. $350,000. J. J. Albertson, Court House, Camden, engr.

N. J., Seaside Park—Council plans grading and gravelling various streets. $27,500. Sherman & Sleeper, 5th and Cooper Sts., Camden, engrs.

N. J., Trenton—Plans paving and repaving various streets. $400,000. J. E. English, Trenton, engr.

Pa., Pittsburgh—Soon takes bids grading, curbing and paving Schenley Ave. between Mathilda and Mossfield Sts. $58,000. Dept. Pub. Wks., City County Bldg., engrs.

Pa., Pittsburgh — Soon takes bids repaving Sarah St. between South 18th and South 13th Sts. $47,000, and Wylie Ave. between Herron and Erin Sts. $95,000; also grading, paving, etc. Plymouth St. between Will Way and Virginia Ave. $45,000. Dept. Pub. Wks., City County Bldg., engrs.

S. C., Columbia — Richland Co. plans paving roads leading into city. $500,000.

Miss., Pontotoc — Pontotoc Co. election soon $600,000 bonds, grading, etc., various roads.

La., West Monroe—Soon takes bids grading and cement sidewalk on 16.5 mi. various streets, 4 and 5 ft. C. C. Bell, mayor.

Tenn., Tiptonville—Lake Co. and State Dept. Highways & Pub. Wks., Nashville, made surveys and plans grading, bridging, etc., State Road 78 from Tiptonville to Kentucky State line, via Phillippy. C. N. Bass, highway comr.

Tenn., Waverly—Humphreys Co. and State Dept. Highways & Pub. Wks., Nashville, made surveys and plans grading, bridging etc. 10 mi. Waverly-Houston Co. line Rd., State Road 13. C. N. Bass, highway comr.

O., Cleveland—Cuyahoga Co. plans paving, etc. Shaker-Lee Allotment. $411,000. F. Lander, Court House, engr.

O., Lisbon—Comrs. Columbiana Co. take bids about Apr. 17 or 24, grading approximately 180,000 cu.yd. East Liverpool-East Palestine Highway, $150,000; also takes bids about Apr. 24 or May 1, grading 5 mi. Elkton-Clarkson Rd., $100,000. L. C. Kirk, Lisbon, engr.

Ind., Anderson—Madison Co. plans grading and concrete paving 3 mi. Ernest Watkins Rd., Dewey and 18th Sts. $26,000. A. B. Steele, Court House, surv. Noted Jan. 13.

Ill., Alton — Making preliminary plans grading, curbing, concrete paving, etc., portions Washington Ave. $37,934. J. E. Schwaab, City Hall, engr.

Ill., Galesburg—Plans grading, curbing, and brick on concrete paving 7 blocks Holton, Madison and Berrien Sts. $39,060. A. L. Richey, City Hall, engr.

Ill., Granite City — Making preliminary plans grading, curbing, and 8 in. rein.-con. paving streets in Paving Dist. 2. $36,000.

Ill., Jacksonville — Making preliminary plans grading, curbing, concrete paving, etc., various streets. $30,000. E. M. Henderson, City Hall, engr.

Ill., Mt. Sterling — Making preliminary plans grading, curbing and concrete paving, etc., various streets. $50,000. Kinsey Eng. Co., Arcade Bldg., Pekin, engrs.

Ill., Rockford—Plans grading, curbing and paving 9 blocks North Ave., King, Reynolds, Evelyn and Salem Sts., brick $46,300, warrenite $41,500. B. C. Harvey, City Hall, engr.

Ill., Roseville—Making preliminary plans widening, grading, curbing, concrete paving, etc., various streets. $40,000. F. M. Connelly, 428 Peoples Bank Bldg., Galesburg, engr.

Ill., Steger—See "Unclassified."

Ia., Centerville—Soon takes bids sheet asphalt or warrenite bitulithic resurfacing 4,695 sq.yd., and 6 in. concrete surfacing, etc., 3,457 sq.yd. various streets. M. G. Hall Co., Centerville, engr.

Ia., Council Bluffs—Soon takes bids grading, curbing, concrete and brick paving 18 blocks Bway., 6th and 8th Aves., 16th, 22nd, 23rd and 27th Sts. Noted Mar. 10.

Ia., Sioux City—Soon takes bids grading, curbing, guttering and hard-surfacing portions alley, 4th Ave., Grandview Blvd., Prescott, 27th, Lafayette, Pierce, Boise, Howard, South Lakeport Crescent, Collins and Virginia Sts. L. N. Hintgen, City Hall, engr.

Ia., Sioux City—Soon takes bids concrete and brick paving 89,730 sq.yd. 4 alleys, Grand Ave., Grandview Blvd., South Irene, South Henry, West Highland, Douglas, Wall, Dace, Chambers, Pierce, Lakeport, Ridge, Virginia, Davidson, South Olive and South Helen Sts. $251,322. L. N. Hintgen, city engr.

Kan., Independence — Takes bids about Apr. 23, grading, curbing and hard surfacing, 9 blocks Chestnut, North 6th Sts., etc. G. H. Hackmaster, City Hall, engr.

Kan., Iola — Allen Co. soon takes bids grading, concrete paving, etc., 3.004 mi. Federal Aid Project 328-B, 18 ft. L. J. Metzger, Court House, engr.

Neb., Emerson—Town Clerk, takes new bids probably in April alternate types paving, etc. approximately 25 blocks various streets. Former bids rejected. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted Mar. 3.

Mo., Kansas City—Lake Tapawingo Development Co., 513 Pioneer Trust Bldg.,

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Streets and Roads (Continued)

plans alternate types paving various streets. Engineer not selected.

Mo., University (St. Louis P. O.)—Making preliminary plans grading, warrenite bitulithic and asphalt on concrete paving Delmar Blvd. between Trinity Ave. and Hanley Rd., $72,000; also repairing and maintaining approximately 34 mi. various streets, $65,000. W. A. Heimbuecher, City Hall, engr.

Ark., Pine Bluff—Soon takes bids grading, curbing, concrete, asphalt, brick or warrenite paving 11,000 sq.yd. Pullin and Walnut Sts., Paving Dist. 96, also concrete culvert over Brumps Bayou. G. Smith, 409 Natl. Bank Bldg., engr. Noted Oct. 7.

Tex., Abilene—Taylor Co. making plans bituminous concrete or bituminous macadam paving 10.38 mi. Highway 1, $275,000; also bituminous macadam paving 9.015 mi. Ballinger-Abilene Rd. $240,000, both 18 ft. L. C. McCanlies, Abilene, resident engr.

Tex., Alice—Jim Wells Co. making plans grading, bridging and asphalt on limestone paving 9.3 mi. Highway 12-A, 18 ft. $245,000. F. E. Hess, Alice, resident engr.

Tex., Amarillo—Potter Co. election Apr. 23, $500,000 bonds, hard paving 22 mi. roads from here to Panhandle Oil Fields. S. Motlow, Amarillo, co. judge.

Tex., Amarillo—Making plans curbing, guttering and brick paving 63,700 sq.yd. West 3rd, West 9th, South Polk and Georgia Sts. $236,000.

Tex., Anson—Jones Co. making plans concrete paving 9.68 mi. Highway 30. $240,000. J. W. Puckett, Stamford, engr.

Tex., Cotulla—La Salle Co., election Apr. 23, $600,000 bonds, hard paving 13 mi. road from Dilley to Artesia-Laredo-San Antonio Rd. G. A. Welhausen, Cotulla, judge. Van B. Harris, Cotulla, co. engr.

Tex., Edna—Jackson Co. election soon $1,000,000 bonds, hard paving main unpaved highways. Address County Judge, Edna.

Tex., Jefferson—Marion Co. making plans grading, bridging and bituminous macadam paving 20.55 mi. Highway 39, 18 ft. $300,000. T. B. Warden, Jefferson, co. engr.

Tex., Plemons—Hutchinson Co. election Apr. 16, $1,250,000 bonds, constructing highways. Address W. R. Goodwin, Plemons, co. judge.

Tex., Uvalde—Uvalde Co. making plans grading, bridging, etc., 17.57 mi. Uvalde-Bracketville Rd., 26 ft. $106,000. M. B. Hodges, Uvalde, resident engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys and plans improving 12 mi. State Highway 44, Johnson Co. $50,000, 15 mi. State Highway 18, Lincoln Co. $70,000, 15 mi. State Highway 20, Osage Co. $75,000, all foregoing 30 ft.; also concrete surfacing 77,000 sq.yd. State Road 20, Washington Co., $160,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys and preliminary plans grading, etc., 12 mi. State Highway 64, Pawnee Co., 30 ft., $70,000; paving 60 mi. Foraker Twp., Osage Co., 30 ft., $100,000; also grading and concrete surfacing 116,200 sq.yd. roads in Pittsburg Co., $417,390. J. M. Page, highway engr.

Okla., Oklahoma City — Voted $42,870 bonds, grading, curbing and sheet asphalt paving 9,810 sq.yd. Youngs Blvd. $42,870. B. M. Hart, City Hall, engr.

Wash., Seattle — Bd. Pub. Wks. takes bids about Apr. 22, paving 9 mi. street between 25th and 32nd Aves., also East Union and East Madison Sts. $325,000. W. C. Morse, Seattle, engr.

Calif., Alhambra — Plans asphaltic concrete and concrete paving, etc., Main St., Aurora Terrace and San Clemente Ave., etc. To exceed $25,000. H. E. Blake, City Hall, engr.

Calif., Compton—Plans paving and widening 2 mi. Tamarand St. and Bway., 100 ft. To exceed $50,000. G. Road, City Hall, engr.

Calif., Compton—Plans 6- to 8-in. concrete paving Olive Ave. between Compton east city limits and Ocean Ave. To exceed $25,000.

Calif., Culver City—Plans 2 in. Warrenite bitulithic on 3 in. asphaltic concrete paving, etc. Albright Ave. between Washington Blvd. and Washington Pl., etc. To exceed $25,000.

Calif., Glendora — Plans curbing, walks and 7 in. concrete paving Michigan Ave. To exceed $25,000.

Calif., Los Angeles—Making plans concrete paving, etc., Mulholland St., Claybourn Ave. Impvt. Dist.; and plans grading, curbing, walks and asphaltic concrete surfacing Weldon Ave. between Fletcher and Chevy Chase Drs. To exceed $55,000. J. Shaw, city engr.

Calif., Marysville — Yuba Co. making plans paving, etc., Feather River Blvd. extension, $81,000; also resurfacing Tahoe-Ukiah Highway to Loma Rica, to exceed $25,000. J. R. Meek, Marysville, co. surv.

Calif., San Carlos—City rescinded contract grading, asphaltic concrete on 6 in. waterbound rock macadam paving 180,000 sq.ft. Cypress Ave. and Alameda de la Pulgas Rd. Noted Oct. 7.

Calif., San Diego—Common Council plans grading, sidewalks and 6 in. concrete paving 230,160 sq.ft. Loring St., etc.; also grading, walks and 5 in. concrete paving, etc., 901,587 sq.ft. Diamond St., etc. F. A. Rhodes, city engr.

Calif., Santa Cruz—Santa Cruz Co. made plans grading and concrete paving, etc. 1,970 cu.yd. Sect. 1 Mt. Hermon Rd. L. Bowman, Santa Cruz, co. surv.

Calif., Ventura — Ventura Co. making plans grading, etc., approximately 10 mi. roadway between state highway on coast in southwest section. To exceed $150,000. C. Petit, Ventura, co. surv.

Bids Desired

New Hampshire—Apr. 15, by State Hy. Dept., Concord, 3 in. on 6 in. gravel paving 2.362 mi. Gorham Hill Rd., Coos Co., $52,000. F. F. Hargraves, Concord, div. engr., also rein.-con. paving 1.164 mi. Rockingham Rd., Rockingham Co., 18 ft. $46,000, W. N. Prescott, Concord, div. engr.

Massachusetts—Apr. 12, by Dept. Pub. Wks., Boston, bituminous macadam paving 13,034 ft. highway in Kingston and Duxbury, 18 ft. W. F. Williams, comr.

Mass., Boston—Apr. 12, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Eldridge Rd., Ward 19, Midvale, Pierpont and Russett Rds., Ward 20. $25,000 bonds. J. H. Sullivan, comr.

Mass., Boston—Apr. 14, by Park Dept., 33 Beacon St., grading, sheet asphalt paving, etc. Fens Impvt. opposite Art Museum. $25,000. W. P. Long, chn.

R. I., Warwick—Apr. 16, by Metropolitan Park Comn., State House, Providence, bituminous macadam paving 1⅞ mi. Narragansett Parkway, 18 ft., here. $70,000. Address State Engineer, State House, Providence.

Conn., New Haven—Apr. 11, by City, City Hall, bituminous macadam paving Redfield St. from Congress to Columbus Sts., and asphalt or amiesite paving Sherman Ave. from Winthrop to Whalley Sts. $25,000 or more. E. S. Nettleton, city engr.

N. Y., Brooklyn—Apr. 13, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, etc. Walsh Court, Brooklyn and 9th Aves., 49th and East 42rd Sts.; gading and granite block paving Schenectady and Troy Aves.; also restoring and repaving roadways various streets.

N. Y., Buffalo—Apr. 11, at office Dept. Pub. Wks., J. J. Love, comr., Municipal Bldg., grading, paving, etc. Ladner Ave., Osborn Alley, Medford and Review Pls., Sandrock and Humphrey Rds., Appenheimer, Doat, Sessions, Schuehle, Carl, Smith and Herman Sts.

N. Y., Long Island City—Apr. 12, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, sidewalks, sheet asphalt on concrete paving Maspeth Ave. and Northern Blvd.

N. Y., New York—Apr. 13, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., asphalt block paving Morris Ave. and East 164th St.

N. Y., St. George—Apr. 13, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Clove Rd., also concrete curbing and vitr. brick guttering Maryland Ave., etc.

N. Y., Syracuse—Apr. 11, by Bd. Contr. & Supply, City Hall, sidewalks and sheet asphalt on concrete paving 1,000 yd. James St.; and 24,980 sq.yd. Hiawatha St. N. F. Pitts, Jr., city engr. Noted Dec. 9.

N. Y., White Plains—Apr. 18, at office F. L. Merritt, clk., Bd. Supervs. Westchester Co., Court House, rein.-con. paving 3.99 mi. County Roads 32A, 63 and 64. C. MacDonald, co. engr.; adv. E. N.-R. Apr. 7.

New Jersey—Apr. 25, by State Hy. Dept., Trenton, grading, bridging and 8 in. double line rein.-con. paving 68,877 sq.yd. Route 5, Sect. 18 Buttzville-Great Meadows Rd., Warren Co. A. L. Grover, ch. clk.; adv. E. N.-R. Apr. 7.

N. J., Freehold—Apr. 20, by Bd. Freeholders Monmouth Co., one course rein.-con. paving 0.35 mi. West Long Branch-Interlaken Rd. 41, Sect. 4. G. K. Allen, 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Apr. 7.

N. J., Newark—Apr. 12, by Bd. Freeholders Essex Co., Courthouse, improving Wyoming Ave.; also furnishing and laying bituminous concrete on roads in Sects. A to D (inclusive). G. C. Bergen, purch. agt.

Pennsylvania—Apr. 21 and 22, by State Hy. Comn., Harrisburg, constructing approximately 39 mi. concrete highways in 13 counties. J. L. Stuart, secy. highways; adv. E. N.-R. Apr. 7.

Pa., Gallitzin—Apr. 11, by P. S. Conrad, boro clk., 706 Hemlock St., grading, curbing, and vitr. brick, one course rein.-con. or warrenite-bitulithic concrete paving, etc. 3,600 sq.yd. Forest St. D. W. Dillman, 91 Altoona Trust Bldg., Altoona, engr.

Pa., Harrisburg—Apr. 21, H. A. Sherk, supt. Dept. Streets & Pub. Wks., curbing, guttering and paving various streets; adv. E. N.-R. Apr. 7.

Pa., Meadville—Apr. 12, at office G. T. Stanley, city clk., curbing, and 3 in. brick on concrete paving, etc. 7,376 sq.yd. various streets.

Pa., Washington—Apr. 12, by Comrs. Washington Co., rein.-con. paving, etc. 7,300 ft. Lone Pine-Marianna Rd., 9,107 ft. Gaston-Elrama Rd., Sect. 4, 6,785 ft. Burgettstown-Eldersville Rd., Sect. 2, 6,525 ft. Canonsburg-Bishop Rd., 280 ft. McDonald-Venice Rd., and 8,500 ft. Burgettstown-Cross Creek Rd.; widening and bituminous on old brick paving 11,430 ft. Donora-Eldora Rd., 2,592 ft. Malden-California Rd., 909 ft. Midway-Primrose Rd., Sect. 2 and 895 ft. Avella-Manchester Rd., Sect. 2; grading and constructing bridges on 4,447 ft. Daisytown-National Pike Rd.; also constructing Charities Ave. Bridge over Charities Creek, etc. Chaney Eng. Co., Washington, co. engrs. Noted Mar. 3.

Delaware—Apr. 27, by State Hy. Dept., Dover, grading and concrete paving Brenford-duPont Rd., Contr. 80, and widening Philadelphia Pike, Contr. 81, etc. C. D. Buck, ch. engr.; adv. E. N.-R. Apr. 7.

Md., Baltimore—Apr. 13, by Bd. Awards, sheet asphalt paving 15,000 sq.yd. Contr. 395, and 12,900 ft. Contr. 396; also concrete paving 21,380 sq.yd. Contr. 397, and 15,375 sq.yd. Contr. 398. S. Purcell, City Hall, highways engr.

South Carolina—Apr. 14, by State Hy. Dept., Columbia, surfacing, etc., 7 mi. Route 93, State Project S-555 Lancaster Co., 3.2 mi. Route 2, State Project S-652 Newberry Co., 3.8 mi. Route 3, State Project S-580-A and C, Marion Co., H. G. Jones, Florence, engr.; clay surfacing approaches to Santee River Bridge on Routes 4 and 30, Federal Aid Project 252, Orangeburg-Clarendon Counties, approaches to Turkey Creek Bridge on 0.494 mi. Route 21, Federal Aid Project 230-B Edgefield Co., sand clay surfacing and bridging, etc., 11.7 mi. Route 121, State Projects S-578 and S-599, Lexington Co., State Highway Engineer, Columbia, engr.; grading and bridging 7.9 mi. Route 3, Federal Aid Project 171-B, Marion Co., H. G. Jones, Florence, engr.; approaches to overhead bridge and constructing treated timber and steel bridge over Southern R.R. tracks, on 0.575 mi. Route 2, Project 38-F, Oconee Co., E. D. Sloan, Greenville, engr.; rein.-con. and timber bridge over Santee River on Route 40, Federal Aid Project 39-B, Charleston-Georgetown Counties, State Highway Engineer, Columbia, engr.; treated timber and steel overhead bridge over Southern Ry. tracks on Route 2, State Project S-631-A, Pickens Co., also treated timber and steel overhead bridge over same railroad tracks, on Route 8, State Project S-615-B, Spartanburg Co., E. D. Sloan, Greenville, engr.; and rein.-con. overhead bridge over Atlantic Coast Line Ry. tracks, on Route 6, State Project S-591, Charleston Co., H. C. Mobley, Orangeburg, engr.

S. C., Columbia — Apr. 12, by City, paving, etc. 100,000 sq.yd. various streets. R. M. Porter, city engr.

Ala., Birmingham — May 2, by City Comn., curbing, walks and 2 in. asphalt on 5 in. concrete paving 5 blocks 7th St. W. $24,500, 4 blocks 4th Court W. $23,100, 5 blocks 18th Pl. S. $19,350, 3 blocks 4th St. W. $16,200, 3 blocks Division Ave. $15,550, 3 blocks 5th Ave. W. $15,000, 2 blocks 9th Court $13,825, 1 block 16th St. S. W. $6,220, and 4 blocks 5th Ave. $6,200; also 6 in. concrete paving 2 blocks 5th Ave. S. $9,500, and 1 block 7th St. W. $5,750. A. J. Hawkins, city engr.

Miss., Bay Springs — Apr. 11, by Bd. Supervs. Jasper Co., grading and graveling 15.04 mi. Louin-Newton Highway, Beats 2 and 3. J. L. Wheless, Hattiesburg, co. engr. Noted Feb. 24.

Kentucky—Apr. 29, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project, and S. A. P. State Aid Project)**, surfacing 6.6 mi. Lawrenceburg-Greafenburg Rd., F. A. P. 134-B and C, Anderson and Franklin Counties, 4.4 mi. Brooksville-Falmouth Rd., S. A. P. 101-A Bracken Co., 5.1 mi. Owensboro-Livermore Rd., S. A. P. 77-B Daviess Co., and 2.126 mi. Owensboro-Livermore-Island Rd., S. A. P. 77-C McLean Co.; grading, etc., 3 mi. Pineville-Clear Creek Springs Rd., S. A. P. 112-A Bell Co., 12.1 mi. Murray-Mayfield Rd., S. A. P. 9-B Calloway and Graves Counties, 12 mi. Greenup-Fullerton-Vanceburg

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Streets and Roads (Continued)

Rd., S. A. P. 106-A Greenup Co., and 14 mi. Sullivan-Clay-Providence Rd., F. A. P. 166-A and B, Union and Webster Counties; grading, surfacing, etc., 10 mi. Campbellsburg-Redford Rd., S. A. P. 63-A, Henry and Trimble Counties, and 5.8 mi. Shelbyville-La Grange Rd., S. A. P. 59½-A, Shelby Co.; delivering 15,000 tons crushed stone dumped on road as directed on 10.5 mi. Bardstown-Elizabethtown Rd., S. A. P. 94-A Nelson Co., 6,200 tons 9 mi. Franklin-Russellville Rd., S. A. P. 15-B Simpson Co., 9,000 tons 9.5 mi. Elkton-Trenton Rd., S. A. P. 79-A Todd Co., and 15,000 tons 10 mi. Springfield-Lawrenceburg Rd., S. A. P. 152-A Washington Co. E. N. Todd, highway engr.

Tenn., Knoxville—Apr. 14, by City, curbing, guttering, sidewalks and paving 96,000 sq.yd. various streets. F. A. Ault, recdr.; adv. E. N.-R. Apr. 7. Noted Mar. 4.

O., Cincinnati—Apr. 11, by Bd. Rapid Transit Comrs., grading, curbing, guttering and 1,000 sq.yd. vertical fibre brick and 2,600 sq.yd. sheet asphalt paving intersection Central Parkway and Ludlow Ave. $25,300. F. Raschig, City Hall, engr.

O., Cleveland—Apr. 13, by City Comrs., City Hall, grading, curbing and paving East 24th Pl., West 30th St., East Blvd., Aetna Rd. S. E., Rondell Rd. N. E., Brighton Ave. S. W., Glendale Ave. S. E., Harold Ave. and Brookside Blvd. S. W., Iowa Ave. N. E., Kildeer Ave. N. E., Lambert Ave. S. E., Louisana Ave. S. W., Melgrave Ave. S. W., Mortimer Ave. S. W., and Chester Ave. N. E. R. Hoffman, City Hall, engr.

O., Dayton—Apr. 14, by Comrs. Montgomery Co., concrete, brick, rock asphalt or macadam paving approximately 5 mi. 14 streets and roads. $250,000. W. O. Pease, Court House, Dayton, co. surv.

O., Millersburg — Apr. 9, by Comrs. Holmes Co., grading and slag paving, etc. 3.34 mi. Millersburg-Charm Rd. $51,519. K. Snyder, Court House, co. surv.

Ind., Ft. Wayne — Apr. 12, by Bd. Pub. Wks. constructing Buell Dr., State Blvd., Baker, Culbertson and Hancock Sts., Curdes and Fairfield Aves.

Ind., Madison—Apr. 12, by Comrs. Jefferson Co., waterbound macadam paving, etc. 38,870 ft. J. A. Miller Rd. $49,965. H. E. Wells, Madison, aud.

Mich., Bad Axe—Apr. 14, by Road Comrs. Huron Co. graveling and concrete paving 4 mi. Assessment Dist. Rd. 22, and concrete paving 1 mi. Assessment Dist. Rd. 50.

Mich., Coldwater — Apr. 12, by Road Comrs., Branch Co. Court House, graveling Div. 20, Cement Plant Rd.

Mich., Hillsdale — Apr. 15, by Road Comrs. Hillsdale Co. gravel surfacing 5 mi. Assessment Dist. Rd. 16.

Mich., Port Huron — Apr. 15, by Road Comrs. St. Clair Co., grading and graveling 11.573 mi. Rds. 90, 91 and 92, Emmett, Riley and Mussey Twps.; 5.6749 mi. Rds. 98 and 99, Casco and Columbus Twps.; 4.639 mi. Rd. 89, St. Clair and Columbus Twps.; and 1.8166 mi. Rd. 88, China Twp.

Mich., White Cloud — Apr. 13, by Road Comrs., Newaygo Co. grading 1.954 mi. 1-4, Sects. 14 and 15, Grand Twp.; graveling 1.875 mi. 6-1, Sects. 11, 13 and 14, Garfield Twp., 1.002 mi. 13-10, Sect. 33, Goodwill Twp., and 1.001 mi. 12-7 Sects. 2 and 3, Barton Twp.

Wis., Madison — Apr. 12, by Dane Co., Hy. Com., J. R. Caldwell, comr., grading, bridging and concrete paving 123,228 sq.yd. Sauk City-Madison Rd., S. T. H. 12, County Job D-202. F. W. Sawtelle, engr.

Wis., West Allis—Apr. 12, by Bd. Pub. Wks., grading and alternate types paving 25,181 sq.yd. various alleys. $65,000. W. D. Darby, city engr.

Ia., Aurelia—Apr. 12, by City, grading and graveling 50 blocks various streets. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Denison—Apr. 12, at office Auditor Crawford Co., improving 0.93 mi. Primary Project 508, 25,382 cu.yd. excav., 36,000 sta.yd. overhaul, 100 ft. 15 and 18 in. culvert labor; and 3.2 mi. Primary Project 451, 139,020 cu.yd. excav., 75,100 sta.yd. overhaul, 100 ft. 6 in. tile drain, etc.

Ia., Guthrie Center — Apr. 12, at office Auditor Guthrie Co., improving 6.75 mi. Panora-Yale Rd., 500 cu.yd. stripping, 8,100 cu.yd. gravel 1 mi. haul, 32,400 units ½ mi. haul, etc. A. McKeel, Guthrie Center, engr.

Ia., Oskaloosa—Apr. 13, at office Auditor Mahaska Co., improving 3.406 mi. Federal Aid Project 146, 36,479 sq.yd. paving, 11,624 cu.yd. excav., 5,500 sta.yd. overhaul, 800 ft. 8 in. tile drain, etc.; and 3.13 mi. Federal Aid Project 70, 33,195 sq.yd. paving, 7,623 cu.yd. excav., etc. R. H. Tumy, Oskaloosa, co. engr. Noted Mar. 10.

Ia., Waterloo—Apr. 11, at office Auditor Black Hawk Co., improving 12.16 mi. county roads, 86,957 cu.yd. excav., 25,641 ft. 6 and 8 in. tile, etc.; 14.9 mi. county roads, 20,850 cu.yd. gravel and 13,100 cu. yd. stripping gravel pit, also 4 mi. in Cedar Falls Twp.

Ia., Winterset—Apr. 12, at office Auditor Madison Co., grading 25,140 cu.yd. raising grade and shouldering Federal Aid Project 236.

Minn., Duluth—Apr. 19, by G. P. Phillips, city comr., concrete paving, etc., 3,903 sq. yd. Otsego St. $25,000. J. Wilson, city engr.

Minn., Duluth — May 28, by G. P. Phillips, city comr., concrete paving, etc., 6,166 sq.yd. 44th Ave. and 5th St., $26,963; and 5,147 sq.yd. Bristol St., $29,308. J. Wilson, city engr.

Kan., Kansas City—Apr. 18, by Clerk Wyandotte Co., bituminous macadam paving 3.23 mi. road paint 2.5 mi. road north of Victory Highway, 18 ft. O. K. Williams, Kansas City, engr. Noted Mar. 24.

Kan., Newton—Apr. 29, by Clerk Harvey Co., grading and vitr. brick or concrete paving, etc. 3,037 sq.yd. Federal Aid Project 189-A, and 38,479 sq.yd. Federal Aid Project 529-B R. J. Justice, Newton, co. engr.

Kan., Sharon Springs—Apr. 26, by Clerk Wallace Co., grading, gravel surfacing, etc., 8.011 mi. Federal Aid Project 375-A and B 28 ft., 930 lin.ft. guard fence, 1,000 lin.ft. snow fence, etc. H. R. Hillman, Sharon Springs, co. engr. Noted Jan. 13.

Neb., Emerson—Apr. 19, by City curbing and paving 14,000 yd. etc. various streets.

Neb., Stanton—Apr. 21 by City, curbing, guttering and paving 35,000 yd. various streets.

Tex., Abilene—See "Unclassified."

Tex., Quanah—City taking bids and open same about Apr. 8, permanent paving 10 blocks business and residential streets. $40,000. Address Mayor.

Tex., San Antonio—Taking bids opening and extending 2 blocks East Travis St. $70,000. I. Ewig, city engr.

Tex., San Antonio—Apr. 23, by Comrs. Bexar Co., natural limestone rock asphalt paving 11 mi. St. Hedwig, Abbot, Weber, and New Sulphur Springs Rds., also Scenic Loop. $40,000. A. C. Pancoast, San Antonio, co. engr.

Oklahoma—Apr. 12, by State Hy. Dept., Oklahoma City, **(F.A.P. means Federal Aid Project and S.A.P. State Aid Project)**, grading, concrete surfacing, etc. 14,600 sq.yd. S.A.P. 338, Alfalfa Co. $40,000, 74,300 sq.yd. F.A.P. 136, Creek Co. $180,000, 77,400 sq.yd. F.A.P. 208 $225,000 and 69,000 sq.yd. F.A.P. 208 $166,000, both Grady Co., 72,400 sq.yd. S.A.P. 111, Kay Co. $180,000, 38,300 sq.yd. F.A.P. 124, Kingfisher Co. $90,000, 31,180 sq.yd. F.A.P. 12, Kingfisher Co. $78,000, 194,280 sq.yd. F.A.P. 139, Logan Co. $370,000, 15,600 sq.yd. S.A.P. 449 $41,000 and 42,240 sq.yd. S.A.P. 450 $110,000 both Muskogee Co., 66,300 sq.yd. F.A.P. 139, Noble Co. $160,000, 37,400 sq.yd. F.A.P. 139, Okmulgee Co. $90,000, 48,200 sq.yd. F.A.P. 157 $125,000, 27,800 sq.yd. F.A.P. 146 $66,000 and 21,120 sq.yd. S.A.P. 180 $51,000, all Stephens Co.; also 11,200 sq.yd. F.A.P. 399, Woods Co. $27,000. J. M. Page, highway engr.

Okla., Hobart—Apr. 12, by C. R. Williams, city clk., grading, curbing and concrete paving 9,600 sq.yd. Hill and Washington Sts. $31,417. W. Danford, Cordell, engr. Noted Apr. 8.

Nevada — Apr. 13, by State Hy. Dept., Carson City, constructing 17.75 mi. Sects. A and B, Route 1, Fanning-Lovelock Rd., Churchill and Pershing Counties. G. W. Borden, highway engr.

Washington—Apr. 19, by State Hy. Comn., Olympia, grading 15,600 cu.yd. State Rd. 12, Pacific Co., and 61,120 cu.yd. State Rd. 7, Grant Co.; crushed graveling, etc. 9,760 cu.yd. State Rd. 22, Lincoln Co.; also concrete paving etc. 3.64 mi. State Rd. 3 Columbia Co., 1 mi. State Rd. 3 Benton Co., and 0.56 mi. State Rd. 2 King Co. J. W. Hoover, Olympia, state highway engr.

Wash., Olympia—Apr. 14, by City Comrs., concrete paving, etc. approximately 5,000 sq.yd. 4th Ave. $12,065, and 11,500 sq.yd. Washington St., $45,388; also repaving 5,000 sq.yd. Central St., $15,000. C. I. Signer, city engr.

Calif., Burlingame—J. R. Murphy, city clk., taking bids curbing, guttering, walks and asphaltic concrete paving, etc. California Ave., etc. J. S. James, city engr. Noted Mar. 24.

Calif., Los Angeles—Apr. 18, by Supervs. Los Angeles Co., grading and 9 in. concrete paving 244,095 sq.ft. Central Ave. To exceed $50,000. Noted Mar. 24.

Calif., Richmond—A. C. Faris, city clk., taking bids 2 in. Warrenite surfacing, etc. approximately 320,000 sq.ft. San Pablo Ave. $200,000. Contra. Co., appropriates $20,000 toward cost. E. A. Hoffman, city engr. Noted Mar. 24.

Calif., Santa Ana—City Trustees taking bids curbing, walks and 8 in. concrete paving South Main St., etc. To exceed $95,000. Noted Mar. 24.

Calif., South Pasadena—Apr. 13, by N. A. Hewitt, city clk., asphaltic concrete paving $150,000 sq.ft. Oak St., etc. To exceed $25,000. Former bids rejected. F. H. Clough, city engr.

Ont., Hamilton — See "Contracts Awarded."

Ont., London — Apr. 9, by E. S. Little, chn. Suburban Roads Comn., concrete paving 18,700 sq.yd. Springbank Dr. $40,000. C. Talbot, County Bldgs., engr.

Ont., London—Apr. 9, by J. Stuart, clk. Middlesex Co., County Bldg., concrete surfacing 18,700 sq.yd. Springbank Dr. $60,000. C. Talbot, County Bldgs., engr.

Contracts Awarded

Mass., Dorchester (Boston P. O.)—Park Dept., W. P. Long, comr., Boston, concrete walks in Franklin Park, here, to J. A. Singarella, 110 High St., Boston, $19,006. Engrs. est. $25,000.

Mass., Newton (Ind. br. Boston)—S. E. Stuart, street comr., concrete sidewalks, crossings, coal tar, guttering, etc. various streets, to H. F. Armington, Inc., Beethoven Ave., Brookline. Engrs. est. to exceed $25,000.

New York—A. W. Brandt, comr. Highways, **(e.e. means engineer's estimate)** to Stapell, Mumm & Beals Corp., Gardenville, reconstructing, etc. 5.98 mi. Sabbathday Point-Hague Rd., Highway 1,741, $208,275 e.e. $296,819; to Bolton, Suits & Bolton, Watkins Glenn, 2.48 mi. Repair Contr. 1,563, Highway 5,120 Fayetteville-Chittenango Rd., Part 2 Madison Co., $149,424 e.e. $204,569, and 4.42 mi. Highway 1,747 Bennettsburg-Perry City Rd., Part 2, Schuyler Co. $212,065 e.e. $267,089; to H. W. Patterson, 800 Genesee St., Hornell, 4.08 mi. Repair Contr. 1,561, Highway 5,305, Niagara Falls-Sanborn Rd. Niagara Co., $145,771 e.e. $199,912, and 3.91 mi. Repair Contr. 1,560, Highway 644, Alden Town Line, Part 2, 1,054 Alden-Darien Center Rd., Erie and Genesee Counties $149,673 e.e. $200,311 to Fitzgerald Bros. Constr. Co., Canal St., Troy, 3.79 mi. Repair Contr. 1,568, Highway 194, Sand Lake-Troy Highway, 288, Gray-Sand Lake Part 2, $163,721 e.e. $227,770, and 0.173 mi. Highway 1,744, State and River Sts., Balley Falls, both Rensselaer Co. $35,148 e.e. $41,152; to W. J. Gallagher, Medina, 7.3 mi. Repair Contr. 1,567, Highway 5,539, Brockport-Spencerport Rd., Monroe Co., $251,549 e.e. $331,824; to Law Bros. Co., Herkimer, 0.35 mi. Repair Contr. 1,569, Highway 5,569, Poland-Trenton Bridge 5,597, Utica-Poland Rd., Herkimer and Oneida Counties, $104,970 e.e. $122,705; to J. B. Dower, 30 Eastern Ave., Ballston Spa, 8.82 mi. Repair Contr. 1,558, Highway 9,012, Bloomingdale-Merrills Corners Rd., Franklin Co., $429,627 e.e. $517,110; to Camarco Constr. Co., Ossining, 2.68 mi. Repair Contr. 1,564, Highway 117, Ulster-Delaware Rd., Part 2, Ulster Co., $136,911 e.e. $161,391; to Lord Coopy & Furnia Inc., Plattsburg, 1.98 mi. Highway 1,747, Masons Corners-Canadian Line Rd., Clinton Co., $84,379 e.e. $97,467; to Frost & Lowm..., Watkins Glen, 2.45 mi. Repair Contr. 1,566, Highway 5,048, Lowman Waverly Rd., Part 1, Chemung Co., $121,223 e.e. $151,517; to Miller Bros. Constr. Co., Inc., 151 Earl St., Hartford, Conn., 6.98 mi. Highway 8,274 Cascade Lakes-Keene Rd., Essex Co., $355,408 e.e. $491,908; to E. C. Jones, Inc., Salamanca, 4.27 mi. Repair Contr. 1,557, Highway 1,349, Varysburg-Warsaw Rd., Part 2, Wyoming Co., $169,769 e.e. $210,736; to E. V. Chappelle, Binghamton, 2.28 mi. Repair Contr. 1,565, Highway 5,322, Monticello-Liberty Rd., Part 2, Sullivan Co., $102,492 e.e. $121,621; to W. J. Collins, 212 Main St., Hornell, 4.48 mi. Repair Contr. 1,562, Highway 1,248, Perry Center-Moscow Rd., Part 2, Highway 8,006, Perry Center-Moscow Rd., Part 2, Livingston and Wyoming Counties, $173,633 e.e. $234,664; to Immick Co., State St., Meriden, Conn., 2.52 mi. Repair Contr. 3,162, Highway 589, Nevis-Blue Stores Rd., Columbia Co., $162,487 e.e. $224,289; to Ryan Bros., Campo & Kennedy, Dansville, 0.11 mi. Bridge Repair Contr. 1,570, Highway 398, County Line Rd., Monroe and Orleans Counties, $34,981 e.e. $41,519; to Clements Contg. Co., Inc., 1,193 Spofford Ave., New York City, 6.47 mi. Highway 1,745, Corning-Post Creek Rd., Steuben Co., $161,378 e.e. $232,358; to Halleran Bros., 901 Linden Pl., Elmira, 0.03 mi. Bridge 4, Repair Contr. 1,559, Highway 5,204, Bath-Avoca Rd., Steuben Co., $42,680, e.e. $50,327; and to O. P. Williams, Oneonta, 3.85 mi. Highway 8,273, Springfield Center-Vanhornesville Rd., Otsego Co.,

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Streets and Roads (Continued)

$178,526 e.e. $228,906. Grand total $3,574,-090. Noted Mar. 10.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to D. J. McCoy Asphalt Co., Avenue U and East 57th St., sheet asphalt paving East 26th St. $7,355, and Elmore Pl. $13,239; to Brooklyn Alcatraz Asphalt Corp., 407 Hamilton Ave., East 8th St. $36,897, Ovingtn Ave. $12,481, and Perry Terrace $4,762, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Lott Ave. $8,964; to B. Turecamo Contg. Co., 8706 16th Ave., Avenue T $21,572, and 82nd St., $4,595. Grand total $109,865. Noted Mar. 17.

N. Y., New York — H. Bruckner, pres. Bronx Boro, grading Bradford Ave., to M. Del Balso, 660 East 221st St., $10,558; granite block paving Leggett Ave. and sheet asphalt paving, Havemeyer Ave., to Asphalt Constr. Co., 208 Bway., $155,619 and $76,-692 respectively; sewer in Spofford Ave., to Fiorello & Koch, Inc., 1895 Belmont Ave., $12,710. Grand total $255,579. Noted Mar. 24.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, curbing Oakland Ave., to R. Lauria, Inc., $4,513; sidewalk on Lafayette Ave., to J. Johnson Sons, 445 Bway., West New Brighton, $4,920. Noted Mar. 17.

N. Y., Syracuse — Bd. Contr. & Supply, City Hall, grading, etc. Erie Blvd. from West Genesee St., to Brewster Ave., to Provo Bros., 604 North Salina St., $50,920.

Pa., Phila. — Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., granite block on concrete repaving 2,875 ft. Broad St., 69 ft., Contr. 162, to Union Paving Co., 123 South 21st St., $98,775. Noted Mar. 24.

Maryland—State Roads Comn., 601 Garrett Bldg., Baltimore, to Barrett Co., 36th and Grays Ferry Ave., Phila., Pa., olling 115.75 mi. roadways in Allegany, Garrett, Frederick and Washington Counties $35,-097, and 52.53 mi. Anne Arundel, Calvert, Charles, Prince George and St. Marys Counties $26,646; to Southern Asphalt Co., Richmond, Va., 67.73 mi. Baltimore and Harford Counties $17,248, 30.07 mi. Queen Anne, Kent and Cecil Counties $7,565, 94.56 mi. Carroll, Frederick, Howard and Montgomery Counties $21,762, and 43.07 mi. Prince George, Howard and Montgomery Counties $9,924; also to Earl-Lansdale Co., 173 Main St., Hackensack, N. J., 70.97 mi. roadways Dorchester, Somerset, Wicomico and Worcester Counties $16,588. Grand total $134,830. Noted Feb. 24.

Md., Baltimore—Bd. Awards, sheet asphalt paving 8,550 sq.yd. streets listed in Contr. 386, to Amer. Paving Co., Montbello Ave., $37,913; and 9,765 sq.yd. streets in Contr. 387, to Arundel Contg. Co., Knickerbocker Bldg., $23,795. Noted Mar. 31.

D. C., Wash.—District Comrs., District Bldg., improving roads, Groups A and B, to G. B. Mullin Co., 1296 Upshur St.; cement sidewalks and concrete alleys, to W. F. Brenizer Co., 101 New York Ave., N. E.; resurfacing with heater method, to McGuire & Rolfe, Earle Bldg. Noted Mar. 24.

Virginia—State Hy. Comn., Richmond, concrete surfacing 6.425 mi. Route 31, Project F-467-B, Brunswick and Mecklenburg Counties, to McGuire & Co., Durham, S. C. $259,605, 5.664 mi. Route 31, Project F-471-D, Mecklenburg Co., to C. S. Luck & Sons, Inc., 1617 Brook Rd., Richmond $237,-687; also grading, etc. 1.6 mi. Route 14, Project S-395-B, Alleghany Co., to Roberts Constr. Co., Pulaski, $22,232. Grand total $519,524. Noted Mar. 10.

W. Va., Philippi—Barbour Co., grading, paving, etc. 1.5 mi. Nestorville-Philippi Rd. to Elkins Constr. Co., Elkins, $38,574. Noted Mar. 3.

W. Va., Winfield—Putnam Co. and State Road Comn., grading, etc., 4 mi. Teays Valley Rd., to Smith & Bender, Nitro, $27,450. Noted Mar. 3.

Fla., Delray—City Council paving 305,-000 sq.ft. various streets, to T. B. Johns, Inc., Winter Haven, $55,000.

Florida — State Rd. Dept., Tallahassee, grading, curbing and bituminous macadam and sheet asphalt on broken stone paving 15 mi. road from Helena Run to Groveland, Project 687A, Lake Co., to Manley Constr. Co. & C. R. Scott, Leesburg, $396,865, 17.34 mi. road between Sarasota and Venice, Project 614, Sarasota Co., to West Constr. Co., Chattanooga, Tenn., $439,624, 14.2 mi. road from Sanford to Orange Co. line, Project 543, Seminole Co., to M. C. Winterburn, Inc., Graham Bldg., Jacksonville, $368,452, and 3.93 mi. Punta Gorda-Acline Rd., Project 564-C, Charlotte Co., to Stidham & Hughes, Lakeland, $73,994; bituminous treatment on broken stone paving 15.01 mi. Bronson Marion Co. Line Rd., Project 676-C, Levy Co., to H. L. Clark & Sons, Inc.,

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North East 56th St. and 2nd Ave., Miami, $206,464, 2.8 mi. Green Cove Springs-Black Creek Rd., Project 659, Clay Co., to Duval Eng. Constr. Co., Dyal Upchurch Bldg., Jacksonville, $44,828, 13.45 mi. Sharpes-Bonaventure Rd., Project 668, Brevard Co., to C. A. Steed & Sons, Okeechobee, $248,-764, and 6.36 mi. Buchanan-Brownsville Rd., Project 648, Hardee and DeSoto Counties, to W. P. MacDonald Co., Lakeland, $112,550; grading, etc., 16.81 mi. Plymouth-Orlando Rd., Project 573, Orange Co., to F. X. Bradley & Co., St. Augustine, Fla., $86,948; grading and bridging Lake City-Union Co. Line Rd., Project 713, Columbia Co., to C. A. Henderson, Jacksonville, $77,-532; guard rail on Florida City-Brooksville Rd., Project 663-679, Hernando and Citrus Counties, to Kibbey Eng. Co., Birmingham, Ala., $17,405. Grand total $2,073,226. Noted Mar. 1.

Fla., St. Augustine—St. Johns Co., grading, curbing and bituminous macadam paving 6 mi. Road 4, to H. E. Wolfe, St. Augustine, $98,107 engrs. est. $100,000; also grading, curbing and sheet asphalt on oyster shell paving 4 mi. Road 5, to F. S. Whitney, St. Augustine, $53,165 engrs. est. $50,000, both 18 ft.

Miss., Brookhaven—Grading and warrenite on concrete paving 11 blocks street from opposite City Hall to East Monticello, etc., to Dunn Constr. Co., Inc., Merchants Bank Bldg., Jackson, and Chamber Commerce Bldg., Birmingham, Ala., $49,830.

Miss., Starkville—Oktibbeha Co., grading and gravel surfacing 9 mi. Starkville-Louisville Rd., to B. C. George & Co., Tupelo; and improving Cedar Bluff Rd., to S. R. Boyd, Columbus. Noted Aug. 19.

La., West Monroe—To Gulf Coast Constr. Co., Opelousas, rock asphalt paving Liderman Ave. $17,108, Cypress St. $26,467, and Filhoil Ave. $12,538; also to J. J. Hamiter, Monroe, sheet asphalt paving South 2nd St. $34,280, and Commerce St. $13,249. Grand total $103,642. Noted Jan. 6.

O., Akron—W. F. Peters, dir. Pub. Serv., grading, curbing, walks and Trinidad asphalt paving, etc. Dorchester Rd., to McCourt Constr. Co., 369 South Main St, $13,290. Engrs. est. $18,300. Noted Feb. 10.

O., Cincinnati—Director Pub. Serv., grading, curbing, sidewalks and concrete repaving, etc. 5,000 sq.yd. Selim Ave., to Cino Constr. Co., 2nd Natl. Bank Bldg., $27,923. Engrs. est. $31,812. Noted Feb. 24.

O., Cleveland—Grading, curbing and oil asphalt paving, etc. Southview Ave., to Highway Constr. Co., Guarantee Title Bldg., $27,841. Noted Mar. 31.

O., Cleveland — To Ohio Quarries Co., Union Trust Bldg., stone sidewalks in Western Dist., $23,716, Northern Dist. $32,-050, Southern Dist. $46,870, and West Park Dist. $23,799, work involves 476,110 lin.ft. walks; to J. C. Wenrick, 1851 East 82nd St., cement walks in Western Dist. $19,915, Northern Dist. $26,257, and Southern Dist. $22,406, 386,600 sq.ft. walks; and to P. E. McHugh, 2227 Brown Rd., Lakewood, West Park Dist. $23,361, 99,800 sq.ft. walks. Grand total $218,374.

O., Columbus—W. H. Duffy, dir. Serv., curbing, walks and brick paving 12,300 sq.yd. under Dennison Ave. overhead crossing, to A. W. Burns Constr. Co., 424 Woodland Ave., $66,486.

O., Euclid (br. Cleveland)—To P. H. De Santis & Co., 8019 Hough Ave., constructing sidewalks in Pasnow Ave. $3,467, to T. C. Garrett, Erie Bldg., Lake Shore Blvd. $11,789, to F. Stein, Euclid, Dell Rd. $2,806, and paving Dell Rd. $9,879 and Edgecliff Ave. $4,059. Grand total $32,000.

Indiana—State Hy. Comn., State House, Indianapolis, concrete paving 26.367 mi. Federal Aid 75, Sects. A, B, C and E Road 52, Tippecanoe Co., to W. C. Meneely, Frankfort, $504,983 engrs. est. $530,013; and 5.227 mi. road from West Baden to Paoli. Contr. F. R. 16, Orange Co., to V. R. Price & Co., Bloomington, $188,890 engrs. est. $196,752.

Ind., Shelby — Comrs. Shelby Co., constructing 2 mi. Smith and Debaum Rds., to Heck & Brown, Franklin, $9,425 and $12,-019 respectively. Engrs. est. $27,215. Noted Feb. 24.

Mich., Marshall—Road Comrs. Calhoun Co., concrete paving 4 mi. Athens Rd., 20 ft., to Whitlow & Hobeck, South Haven, $107,700. Noted Mar. 24.

Mich., St. Joseph — Berren Co., asphalt on concrete paving 1.1 mi. Paw Paw Rd., and penetration asphalt on macadam paving 2.3 mi. Pipestone Rd., to W. J. Lang Constr. Co., 7 South Dearborn St., Chicago, Ill., $62,804 and $77,488 respectively, also 2.75 mi. Galein South Rd., to A. W. Taylor, LaPorte, Ind., $91,372. Grand total $231,664.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 116, Sect. 112, Livingston Co., to McMahon Constr. Co., Rochester, Ind., $148,184; Route 136, Sect. 104, and Route 135, Sect. 101, Crawford Co., to D. A. Alumbaugh, Sullivan, Ind., $17,047 and $28,136 respectively. Grand total $193,331. Noted Jan. 27.

Ill., Chicago—City, Room 406, City Hall, grading, curbing, guttering, 10 in. concrete paving, etc. portion Diversey Ave., to Central Paving Co., 179 West Washington St.; grading, curbing, guttering, asphalt on 6 in. concrete paving, etc. portion South Karlon Ave., and grading, curbing, guttering and asphalt on 8 in. concrete paving portion West 16th St., to Commonwealth Impvt. Co., 133 West Washington St., portion North Kostner and North Parkside Aves., to Ryan Co., 4500 West Division St.; grading, curbing, guttering and asphalt on 6 and 8 in. concrete paving portions West 90th and 91st Pls., East 81st, West 90th, 91st, 92nd, and South Paulina Sts., South Michigan and Marshfield Aves.; grading, curbing, guttering and 6 in. concrete paving portions North Rutherford, North Newland, Newcastle, Medill and Belden Aves., to White Paving Co., 1725 Fullerton St.; grading, curbing, guttering and asphaltic concrete on 6 in. concrete paving, etc. portions Lake Park Ave., East 120th, East 122nd and West 71st Sts., to R. F. Conway & Co., 844 Rush St.; resetting curbstone, grading, curbing, guttering, new granite block and relaying old granite block paving portion Northwestern Ave., to Ready & Callahan Coal Co., 133 West Washington St.; grading, curbing, guttering and 8 in. concrete paving, etc. portion Westworth Ave., to J. A. Sackley & Co., 4608 Belmont Ave., portion West Lake St., to P. J. O'Brein & Co., North Cicero Ave., portions George St., Lionel and North Stripp Aves., to J. A. Ross & Co., 4561 Armitage St., portions North Melvina, Waveland and Patterson Aves., to Smith & Brown Co., 111 West Washington St.; grading, curbing, guttering asphalt on 6 in. concrete paving, etc. portions Bernard St., Morse and North Washtenaw Aves., to Contg. & Material Co., 42 East Pearson St.; grading, curbing, guttering, 10 in. concrete and 5 in. granite block on 1½ in. sand, and 8 in. concrete paving portion West Lake St., to Marquette Constr. Co., 4726 Washington St. Noted Mar. 3, 10th and 24th.

Wisconsin — State Hy. Comn., T. W. Reilly, div. engr., Court House, Richland Center, grading, etc., 8.55 mi. State Project 9235, Crawford Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $38,742; crushed stone surfacing 15,381 cu.yd. above project, to S. J. Groves & Sons Co., 458 Sexton Bldg., Minneapolis, Minn., $37,492; grading 14.04 mi. State Project 9203, Richland Co., to Nelson, Mullen & Nelson, 355 Temple Court Bldg., Minneapolis, Minn., $99,874, and crushed stone surfacing 19,-639 cu.yd. same road, to J. Gunnison & Sons, Madison, $43,599. Grand total $219,-707. Noted Mar. 17.

Wisconsin—State Hy. Comn. and J. Huffcut, highway comr. Waupaca Co., Waupaca, grading, concrete paving, etc. 15,550 cu.yd. Job 4361, Waupaca Scandinavia Rd., to Colburn-Thurston Co., Anoka, Minn., $64,-675; 6,401 cu.yd. Job 4375, Bear Creek Corners-East County Line Rd., to W. Tate, Bear Creek, $18,000; 26,026 cu.yd. Jobs 4361-A and B, Main and State Sts., Village Iola, to Bossert Coal Co., Wisconsin Rapids, $66,147. Grand total $148,822.

Wisconsin — State Hy. Comn., W. F. Baumgartner, div. engr., Div. Office 6, 213 South Barstow St., Eau Claire (**F. A. P. means Federal Aid Project**), grading, concrete paving, etc., 101,072 sq.yd. Menomonie-Hudson Rd., St. Croix Co., to A. Larson & Co., Eau Claire, $267,981; 31,380 sq.yd. F. A. P. 404-B, Clark Co., to A. Brown, Holcombe, $83,274; 142,091 sq.yd. F. A. P. 369-A, to J. F. Bloomer, Appleton, $344,819; and 135,527 sq.yd. F. A. P. 370-E, Dunn Co., to P. C. Kroeck Co., 749 Maryland Ave., Milwaukee, $312,894. Grand total $1,008,968. Noted Mar. 3.

Wisconsin—State Hy. Comn., J. R. McLean, div. engr., 1st Natl. Bank Bldg., Superior, (**F. A. P. means Federal Aid Project**), grading, etc., 5.82 mi. F. A. P. 371-C, Rusk Co., to Walter Bros., Holcombe, $51,-727, also 2.76 mi. F. A. P. 406-D, Washburn Co., and graveling 12,053 cu.yd. F. A. P. 407-B, Barnett Co., to L. A. Baumgartner Co., Hackney Bldg., St. Paul, Minn., $23,049 and $63,875 respectively, also 12,-930 cu.yd. F. A. P. 385-A, Barron Co., to Studer & Manion, Excelsior, Minn., $81,265. Grand total $219,916. Noted Mar. 24.

Wis., Darlington—Comrs. Lafayette Co., to MacCulloch & Karrmann, Platteville, crushed stone surfacing, etc. 4,700 cu.yd. Hicks Corners-Darlington Rd. $9,682, 2,600 cu.yd. Stavers Corners-Belmont Rd. $5,564; also 3,600 cu.yd. Belmont Mound-Leslie and Belmont Mound-Belmont Rd. $7,596;

Streets and Roads (Continued)

to G. Priestley, Darlington, 5 mi. C. T. H. D and C.T.H. N, $8,720; and to Badger Highway Constr. Co., Dodgeville, 8,340 cu.yd. Argyle-Blanchard and Blanchard-Fayette Rds., $18,098. Grand total $49,660.

Wis., Ellsworth—State Hy. Comn., W. F. Baumgartner, div. engr. and C. F. Kenall, highway comr. Pierce Co., Village Hall, grading, concrete paving, etc. 10,230 sq.yd. Main St., to A. Brown, Holcombe, $26,461. Noted Mar. 17.

Ia., Cedar Rapids—Linn Co., to McGuire Bros., Forest City, improving County Road 17, 16,706 cu.yd. bridge fill at $0.26 per cu.yd. and 10,000 cu.yd. at $0.48, 18,440 cu.yd. excav. at $0.26, 17,400 sta. yd. overhaul $0.02, 552 ft. 12- to 30-in. culvert labor $0.20 to $0.40. Noted Mar. 10.

Ia., Grundy Center—Grundy Co., to J. J. Boyette, Kensett, improving roads, 60,560 cu.yd. earth excav. at $0.26 and $0.27 per cu.yd., 600 cu.yd. loose rock at $1; to C. Beyers, Cedar Rapids, 8,750 cu.yd. gravel 1 mi. haul at $0.39, 81,900 units ½ mi. haul $0.07, and 2,000 cu.yd. strip pit $0.18; and to Snater Constr. Co., Ackley, 4,000 cu.yd. graveling $2.60. Noted Mar. 17.

Ia., Keokuk—H. B. Blood, city clk., to Cameron, Joyce, Smith & Elder, Keokuk, grading, curbing, guttering and paving 33,708 sq.yd. Exchange, Johnson and Bank Sts., warrenite bitulithic at $1.61 per sq.yd., 5 in. concrete base $1.25, etc. Noted Mar. 3.

Ia., Le Mars—Plymouth Co., to C. Byers, Cedar Rapids, improving Primary Project 492, 16,744 cu.yd. gravel 1 mi. haul at $0.36 per cu.yd., 61,000 units ½ mi. haul $0.07, and 9,800 cu.yd. stripping $0.17. Noted Mar. 3.

Ia., Onawa—Monona Co., to F. Grundon, Ft. Dodge, improving roads, 80,300 cu.yd. excav. at $0.15 per cu.yd., and 404 ft. 18 and 24 in. culvert labor $0.60. Noted Mar. 17.

Ia., Orange City—Sioux Co., to C. W. McNamara, Sioux Falls, S. D., improving Projects S-115 and S-117, 81,064 cu.yd. excav. at $0.23 and $0.0247 per sq.yd., 1,260 ft. 18 and 24 in. culvert labor at $0.30, $0.45 and $0.50, and 54,637 sta.yd. overhaul $0.02; to G. W. Condon, Omaha, Neb., improving Project S-118, 28,198 cu.yd. excav. $0.26, and 662 ft. 18 and 24 in. culvert labor $0.40 and $0.50. Noted Mar. 10.

Ia., Ottumwa—For 6 in. concrete paving 20 blocks various streets, to R. C. Nelson Co., Council Bluffs, $60,000.

Ia., Rockwell City—Calhoun Co., to Hartman & Peterson, Laurens, improving Project S-126, 14,775 cu.yd. earth excav., at $0.268 per cu.yd., 400 cu.yd. loose rock excav. $1.25, 60 ft. 12 in. culvert labor $0.30, and 11,000 sta.yd. overhaul $0.02.

Minn., Austin—F. R. Smith, city clk., concrete paving approximately 15,500 sq.yd. Oakland Ave., to General Contg. Co., 1222 Plymouth Bldg., $37,514. Noted Mar. 10.

Montana — State Hy. Comn., Helena, crushed graveling, etc. Rocky Canyon Rd., Federal Aid Project 222, Gallatin Co., to J. N. Brown & Son, Bozemen, $33,795.

Mo., Mexico — Rein.-con. paving, etc. 11,200 sq.yd. Cole, Barbary Lane, Floyd, Washington and Jefferson Sts., to H. Tidd, Hutchinson, Kan., $34,272.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, **(C. B. means City Block)**, to Eyermann Contg. Co., 1216 South Grand Blvd., grading and concrete paving Alleys in C. B. 885 $2,203, C. B. 1420 $3,445, C. B. 1303 $2,441, C. B. 3017 $1,560, and C. B. 5324-W $3,201; to Alfred Lewald, Inc., 6025 West Cabanne Ave., alleys in C. B. 4103-N $3,768, C. B. 4391-C $5,626, and C. B. 2757 $3,893; and to Perkinson Bros. Constr. Co., 3237 Carter Ave., alley in C. B. 5133 $2,847. Grand total $28,984. Noted Feb. 17.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to C. A. Moreno, Syndicate Trust Bldg., granite block paving, etc. 1,240 sq.yd. 6th St. $9,046, and asphaltic concrete paving, etc. 940 sq.yd. Eichenberger St. $5,784; to Skrainka Constr. Co., Security Bldg., rein.-con. paving, etc. 1,210 sq.yd. Humphrey St. $6,526, to Alfred Lewald, Inc., 6025 West Cabanne Ave., 1,515 sq.yd. Bessie Ave. $6,889, to Perkinson Bros. Constr. Co., 3237 Carter Ave., 1,760 sq.yd. Elizabeth Ave. $8,222, and 2,160 sq.yd. Elizabeth Ave. between Macklind and Sublette Sts. $9,712; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., asphaltic concrete paving, etc. 1,125 sq.yd. Aubert St. $5,551, and 1,300 sq.yd. Kossuth St. $7,382; to Central Paving & Constr. Co., 6161 Maple Ave., warrenite bitulithic paving, etc. 2,320 sq.yd. Eiler St., $16,357, and 1,205 sq.yd. San Francisco St. $7,567; also to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving, etc. 1,760 sq.yd. Harris Ave. $14,187, and 1,395 sq.yd. Russell Pl. $9,836. Grand total $107,059. Noted Mar. 3.

Mo., St. Joseph—Concrete paving, etc. approximately 6,500 sq.yd. 29th St., to Reine Bros. Constr. Co., 1208 North 5th St., $21,741; 577 ft. 10 in. vitr. clay sewer in Dist. 169, to E. F. Mignery, 1108 Bellevue St., $1,181; sewer in Dist. 161, to W. B. Kelley & Co., Bartlett Bldg. $1,644, and in Dist. 170, to P. P. Young, 4209 St. Joseph Ave., $6,370. Grand total $30,366.

Ark., Little Rock—Grading and rein.-con. paving 22,000 sq.yd. Chester St., Paving Dist. 438, to M. D. L. Cook, Home Insurance Bldg., at $2.13 per sq.yd. Total $64,174.

Tex., Amarillo—Brick paving 25,800 yd. Wolflin Addition, and 6,000 yd. portion North Taylor St., to Wilmering & Mullen, 96 Polk St., $108,831 and approximately $25,000 respectively.

Tex., Anderson — Grimes Co., grading, bridging, etc. 13.89 mi. Highway 90, to Swift & Pursifal, Nacogdoches, $110,046. Noted Mar. 3.

Tex., Beaumont—Jefferson Co., shell during 1927, to W. D. Hayden Dredging Co., Galveston, $100,000.

Tex., Brownsville — Warrenite-bitulithic paving 196 blocks various streets, to Southwest Bitulithic Co., c/o Gunter Bldg., San Antonio, $581,248. Noted Mar. 31.

Tex., Brownsville—James-Dickinson Co., c/o Travelers Hotel, curbing and concrete paving 20,000 lin.ft. Los Ebanos sub-division, near here, to Chapin Paving Co., 910 Austin St., San Antonio, approximately $100,000. Noted Dec. 23.

Tex., Houston—For 3 in. brick and sand cushion on 6 in. concrete paving Navigation Blvd. from east line North Buffalo St., to Houston, Balt. and Terminal R.R. tracks, and Navigation Blvd. from Wayside Dr., to East line 77th St., to Smith Bros., 2402 West Dallas St., $359,476 and $163,662 respectively. Engrs. est. $450,000 and $180,000 respectively. Noted Feb. 24.

Tex., Houston — Harris Co., concrete paving with shell shoulders 5 mi. Houston Ave. extension, 18 ft., to Philpot Constr. Co., Pine Bluff, Ark., $104,523. Engrs. est. $175,000. Noted Feb. 17.

Tex., Houston—Paving McGregor Way from north side Bray's Bayou to east line Ennis, to A. M. Arnold & Co., Summer and Elder Sts., $40,432. Engrs. est. $45,000.

Tex., Houston—Harris Co., bituminous concrete paving Wood St. from San Jacinto to Walnut Sts., to A. M. Arnold & Co., Summer and Elder Sts., $55,340. Engrs. est. $60,000.

Tex., Midland—Curbing, guttering permanent paving 34,442 sq.yd. various streets, to Womack Constr. Co., Sherman, approximately $82,000. Noted Mar. 3.

Tex., Plemons—Hutchinson Co., asphalt in concrete paving 34 mi. roads from Carson Co. line through Borger, Electric City and northward to Junction Highway 88, to W. L. Pearson & Co., Plemons, approximately $800,000.

Tex., San Antonio — Asphalt paving 18 blocks, Fredericksburg Rd., Cedar St. from Temple to Marne Sts., and Cedar St. from South Alamo to Barbee Sts., to Alamo Paving Co., 321 Dawson St., $26,000.

Okla., Cushing — Grading, curbing and concrete paving 8,150 sq.yd. Paving Dist. 34, to T. Collins, Cushing, $25,209. Engrs. est. $27,500. Noted Feb. 17.

Okla., Seminole—E. Magruder, city clk., grading, curbing and concrete paving 6,900 sq.yd. Dist. 4, and 7,800 sq.yd. Dist. 3, to Ward, Beekman & Brooks, 1801 East 9th St., $26,364 and $33,339 respectively. Engrs. ests. $26,510 and $33,422 respectively. Noted Mar. 17.

Okla., Snyder—C. H. Fauks, city clk., grading, curbing and concrete paving 15,230 sq.yd. Dist. 1, to Highway Constr. Co., 903 1st Natl. Bank Bldg., $47,210. Engrs. est. $49,000. Noted Feb. 3.

Idaho—J. D. Woods, comr. Pub. Wks., State House, Boise, grading, crushed graveling, etc. 4,200 cu.yd. Federal Aid Project 11-B, Elmore Co., to P. L. Crooks & Co., Portland, Ore., $58,708. Engrs. est. $63,461.

Wash., Seattle—Bd. Pub. Wks., widening and paving Eastlake Ave., to McHugh & Coluccio, 517 3rd Ave. N. $35,592.

Wash., Walla Walla — Comrs. Walla Walla Co., paving 5.3 mi. Permanent Highway 3, to March Constr. Co., Spokane, $41,345.

California—State Hy. Comn., Sacramento, **(c. e. means engrs. est.)**, constructing 1,240 lin.ft. guard rail and gravel approaches on bridge across Kern River at Bakersfield, Kern Co., to Peterson & Eissler, Fresno, $7,479 e. e. $12,521; asphalt surfacing, concrete widening, etc., approximately 4.5 mi. roadway between Athlone and southerly boundary, Merced Co., to Allied Contractors, Inc., 1803 Douglas St., Omaha, Neb., $93,961 e. e. $95,975; grading and paving, etc., 3.7 mi. roadway between La Mesa and El Cajon, San Diego Co., to G. Herz & Co., San Bernardino, $131,292 e. e. $144,909; clearing, grubbing and disposal of stumps, etc., roadway between Dunsmuir and point 3 mi. north of Weed, Siskiyou Co., to J. P. Brennan, Redding, $4,514 e. e. $5,278; also constructing 100 ft. steel truss and two 25 ft. concrete approach span bridge across Sonoma Creek, Sonoma Co., to Proctor & Cleghorn, Santa Rosa, $23,218 e. e. $24,859. Grand total $260,464. Noted under "Bridges" Feb. 17.

Calif., Barnes City—For 5 in. vibrolithic concrete paving Braddock Dr., to G. H. Oswald, 366 East 58th St., Los Angeles, approximately $55,500.

Calif., La Mesa — City Trustees, 5 in. concrete paving 255,125 sq.ft. streets in Windsor Hills Tract, to Stroud Bros. & Seabrook, 4959 24th St., San Diego, approximately $206,175. Noted Mar. 10.

Calif., Los Angeles—Curbing, walks, storm drain and sanitary sewer, concrete and asphaltic concrete paving Glendale Blvd. between Waverly Dr. and Silver Ridge Ave., to C. E. Green, Western Mutual Life Bldg., approximately $361,150.

Calif., Los Angeles—Bd. Pub. Wks., grading and 8 in. concrete paving 232,245 sq.ft. La Cienega Blvd., to L. B. Konjevod & B. Bosco, 5303 Hartwick St., $70,316. Noted Mar. 31.

Calif., Los Angeles — To Warren Constr. Co., 2221 East 25th St., improving Vermont Ave., grading $35,000, 29,282 sq.ft. asphalt paving at $0.22 per sq.ft., 167,235 sq.ft. Sec. "A" asphaltic concrete paving $0.267, and 44,810 sq.ft. Sec. "B" $0.10, etc., total approximately $140,510.

Calif., Marysville—Grading and asphaltic concrete paving, etc. Browns Valley Grade, to Warren Constr. Co., 28th and Poplar Sts., Oakland, $29,465.

Calif., Merced—P. J. Thornton, surv. Merced Co., 5 in. Willite asphaltic concrete paving, etc. Hilmar-Irwin-Stevenson Rd., to Valley Paving & Constr. Co., Visalia, $38,800. Noted Mar. 3.

Calif., Monterey—Curbing, walks, guttering and asphaltic concrete paving, etc., Larkin St., etc., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, approximately $60,500.

Calif., Oxnard—Hollingsworth Co., Los Angeles, constructing street intersections in Hilly-By-The-Sea Tract, here, to Baker & Vigus, I. W. Hellman Bldg., Los Angeles, approximately $45,000.

Calif., Riverside—Supervs. Riverside Co., grading and asphaltic concrete paving 539,673 sq.ft. Rd. Impvt. 18, to Sully-Miller Co., 1500 West 7th St., Long Beach, approximately $89,250 Noted Mar. 10.

Calif., San Diego—Supervs. San Diego Co., improving Monterey Heights, to United Concrete Pipe & Constr. Co., Los Angeles, $124,456; also El Cajon (Monte Mar Vista), to Miracle Constr. Co., 1604 Dale St., San Diego, $35,640. Noted Mar. 10.

Calif., San Diego—Common Council, improving Curlew St., etc., to K. S. Heath, 2616 Natl. Ave., $28,295; El Cerrito Dr., etc., to Watson & Sutton, Spreckels Bldg., $112,298; also Grape and Bancroft Sts., to Griffith Co., 1308 Newton Ave., $27,022. Grand total $167,615. Noted Feb. 24.

Calif., San Francisco—Improving Grand View Ave., to Schultz Constr. Co., 46 Kearny St., $51,401.

Calif., Santa Ana—Orange Co., 5 in. asphaltic concrete paving, etc., 1,203,370 sq.ft. Chapman, Thorpe Aves., etc., to Griffith Co., Railway Bldg., Los Angeles, approximately $399,500.

Calif., Santa Cruz—Keystone Constr. Co. (contractor) sub-lets contract grading, concrete paving, etc. Lower Plaza, etc., to D. S. Clinton, Monadnock Bldg., San Francisco for City. $142,459. Noted Mar. 10.

Calif., Santa Rosa—Sonoma Co., concrete paving road from Forestville to Healdsburg, to J. V. Galbraith, Fulton, $31,215.

Calif., Yuba City—A. B. Brown, clk. Sutter Co., 5 in. Willite asphaltic concrete paving 79,000 sq.ft. Power Line Rd., to A. Teichert & Son, Inc., 1846 37th St., Sacramento, at $0.219 per sq.ft.

Ont., Hamilton—Council will pave with asphalt Maple, Houghton, Railway, Fairfield and Cathcart Sts. $122,000. Work will be done by day labor under direction W. L. McFaul, city engr.

Buildings—Commercial

Proposed Work

Me., Ellsworth—COURT HOUSE—Comrs. Hancock Co., H. B. Moor, having preliminary plans prepared by A. McFarland, Bar Harbor, altering and constructing court house addition. $150,000.

Me., Portland—THEATRE, STORE and OFFICE—M. Greenspan, 333 Washington

Constr. News page 219

AMERICA NEEDS MORE GARAGES IN HER CITIES

A Civic Necessity —more parking garages

Here is one in Boston—Bowdoin Square Garage, Ralph Harrington Doane, Architect

WHEN private capital can be invested for satisfying profit, and at the same time accomplish civic good, many investors must be interested. A 500-car garage will house the parked cars that now line the curb on both sides of the street for twelve city blocks—a half mile of street automatically widened for two more lines of *moving* traffic. That is the public benefit!

But there is also private gain! The garage, wisely located, planned for efficiency and competently managed, will yield a net return on the investment which is, at the least, as high as that from any other type of building. Architectural commissions await the man who presents the idea to those who can act on it. We can present helpful suggestions as to how such a project may be financed.

Let us send you "Building Garages for Profitable Operation" as a brief survey of the possibilities of modern mid-city garage.

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Buildings—Commercial (Continued)

St., Boston, Mass., having sketches made by Blackall, Clapp & Whittemore, 31 West St., Boston, Mass., 2 story and basement, brick and stone, plain foundation, Congress St. To exceed $150,000. Noted Mar. 31.

Mass., Arlington — APARTMENT — Gregory Court Trust, 409 Highland Ave., West Somerville, plans 3 story and basement, brick and stone, Massachusetts Ave. $150,000. C. F. Springall, 50 Concord St., Malden, archt.

Mass., Athol—BANK—J. W. Beal & Sons, 185 Devonshire St., Boston, soon lets contract 2 story and basement, brick, steel and marble, Main St., here, for Athol Savings Bank, L. B. Fay, 384 Main St. $200,000. Noted Mar. 17.

Mass., Beverly—FIRE STATION—City Building Com., City Hall, plans 2 story and basement fire alarm station headquarters. $150,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—APARTMENT—H. J. Moulton, 1374 Massachusetts Ave., having plans prepared by Silverman, Brown & Heenan, 51 Cornhill, Boston, 4 story and basement, irregular shaped, brick and stone, plain foundation, Ware and Harvard Sts. $150,000.

Mass., Northampton—BANK—First Natl. Bank, 61 Main St., plans 1 and 2 story and basement, probably concrete, brick and steel bank. $150,000. Engineer and architect not selected.

Mass., Salem—THEATRE—North Shore Realty Co., D. Donahue & M. E. Sullivan, 178 Essex St., having sketches made 1 and 2 story and basement, brick and steel, plain foundation, Essex, Church and Peters Sts. $750,000. Noted Nov. 18.

R. I., Pawtucket — SOCIETY — Amer. British Building Assn., G. W. Burgess, 41 Thomley St., plans society building. $150,000. Engineer and architect not selected.

R. I., Westerly — INN, CLUB and CASINO — Masonic County Club, F. Lawson, doctor, having sketches made by Amer. Industrial Eng. Co., 90 West St., New York City, inn, yacht club and casino, Shelter Harbor. $2,000,000.

Conn., Hartford — TEMPLE — Labor Temple Assn., Inc., C. A. Hellyar, chn., 386 Barbour St., having tentative plans prepared, brick and steel, Park St. $150,000. Engineer and architect not selected.

Conn., Middletown—Y.M.C.A., E. S. Hubbell, chn., having plans prepared by D. Orr, 956 Chapel St., New Haven, new Y.M.C.A., Union and Crescent Sts. $300,000.

N. Y., Brooklyn—APARTMENT HOTEL—Treile & Brodsky, 26 Court St., having plans prepared by M. A. Cantor, 373 Fulton Fulton St., and takes bids about Apr. 18, 6 story and basement, 100 x 180 ft., rein.-con., brick and steel, plain foundation, 19th Ave. and 84th St. $800,000.

N. Y., Buffalo — APARTMENT — Melbourne Properties, c/o Pfhol & Fruauff, engrs. and archts., 806 Walbridge Bldg., had plans prepared 5 story and basement, 120 x 130 ft., brick and steel, plain foundation, Melbourne St. $375,000.

N. Y., Buffalo — Y. M. C. A., c/o J. G. Brent, archt., Glenwood Ave., had plans prepared 4 story, brick and steel, plain foundation, Michigan Ave. $350,000. Noted Jan. 20.

N. Y., Mt. Vernon—CITY HALL—City soon takes bids 2 story and basement, 107 x 180 ft., brick, steel and stone, plain foundation, Roosevelt Sq. $300,000. G. M. Bartlett, 103 Park Ave., New York City, archt.

N. Y., New York—OFFICE—Forty-Two-Forty-Four West 39th St. Corp., c/o Buchman & Kahn, archts. and engrs., 49 West 45th St., having plans prepared 8 story, brick, steel and stone, plain foundation, 42-44 West 39th St. $500,000.

N. Y., New York—THEATRE—Wilthorn Realty Co., c/o J. Eberson, archt., 200 West 54th St., having new preliminary plans prepared 130 x 204 ft., brick, steel and stone, plain foundation, 71st St. and 3rd Ave. $1,100,000. Noted Sept. 2.

N. Y., Port Huron—BANK—Commercial Sales & Trust Co., having plans prepared by Mowbray & Uffinger, archts. and engrs., 221 West 57th St., New York City, brick, steel and stone, plain foundation. $150,000.

N. J., Atlantic City — HOTEL — Hotel Bryanton had plans prepared by H. L. Stevens & Co., 522 5th Ave., New York City, 10 story, rein.-con., brick and steel, plain foundation, South Michigan Ave. $1,000,000.

N. J., Bayonne—APARTMENT—Baroff & Botwink, c/o C. I. Goldberg, archt., 437 Bway., having plans prepared two 5 story, brick, plain foundations, 777-775 Avenue A. $150,000.

N. J., Bergenfield—BANK—Bergenfield Natl. Bank, Main St., soon lets contract 2 story, 50 x 79 ft., brick and steel, plain foundation, Main St., here. $150,000. C. V. R. Bogert, 167 Main St., Hackensack, archt.

N. J., Elizabeth — HOSPITAL — Alexian Brothers Hospital, East Jersey St., takes bids about Apr. 1, 3 story, 50 x 130 ft., rein.-con., brick and steel, plain foundation, 7th and East Jersey Sts. $350,000. L. V. Pohlman, 80 Broad St., archt. K. B. Holbrook, Grand Central Terminal, New York City, engr. Noted Sept. 30.

N. J., Jersey City—ADMINISTRATION—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, soon lets contract 3 story and basement, brick, steel and stone administration building, here, and 1 story building in entrance plaza, Contr. 18, Holland Tunnel. G. R. Dyer, chn. former, and T. Boettger, chn. latter commissions. Noted Mar. 24.

N. J., Newton—CLUB—Newton Lodge of Elk, S. S. Martin, chn. building com., plans clubhouse. $150,000. Engineer and architect not selected.

N. J., Palisades Park—APARTMENTS—J. Cannarsa, c/o A. DePaola, archt., 106 18th St., West New York, having plans prepared two 4 story apartments, Highland Ave., here. $150,000.

N. J., Palisade Park—APARTMENT—A. Stefanelli, c/o P. J. Jossier, archt., Broad Ave., having plans prepared 3 story, brick, plain foundation, Brinkerhoff Ave. $150,000.

N. J., Plainfield—MASONIC—Plainfield Masonic Lodge, C. Loizeaux, plans brick and steel temple. $375,000. Engineer and architect not selected.

N. J., Plainfield—ORPHAN ASYLUM—Union Rescue Home, Scotch Plains having sketches made by F. L. Lancaster, Plainfield, 3 story, brick, plain foundation, Pineview Pl. and East 2nd St. $150,000.

Pa., Kulpmont — THEATRE—Chamberlain Amusement Co., Pottsville, having plans prepared by W. H. Lee, 1505 Race St., Phila., theatre, here. $200,000.

Pa., Skippack—PENITENTIARY—State, c/o A. W. Fleischer, pres. Trustees Eastern Penitentiary, 1428 South Penn St., Phila., purchased 1,697 acre site, and plans Eastern Penitentiary, here. Engineer and architect not selected.

Ala., Birmingham—GARAGE—Natl. Garage, Inc., 1432 Ruhl Bldg., Detroit, Mich., takes bids about Apr. 18, 7 story and basement, 110 x 182½ ft., rein.-con. and terra cotta, 1st Ave., here, for Birmingham Natl. Garage, Inc. $750,000. Warren, Knight & Davis, Empire Bldg., archts. T. L. B. Lyster, Niagara Falls, N. Y. engr.

Miss., Hattiesburg — HOTEL — M. V. Walters soon takes bids 6 story and basement, 60 x 120 ft., concrete, brick and terra cotta, Main and New Orleans Sts. $300,000. N. W. Overstreet, Mississippi Fire Bldg., Jackson, archt.

O., Canton — HOTEL — General Stark Hotel Co., c/o J. P. Cagwin & J. Thompson, Renkert Bldg., having plans prepared by G. B. Post & Sons, Hanna Bldg., Cleveland, 15 story, brick, steel and concrete hotel. $2,000,000.

O., Cincinnati—CLUB—Fenwick Club, 5th St., having plans prepared by Crowe & Schulte, Reading Rd., 8 story and basement, 78 x 160 ft., brick and rein.-con., plain foundation, incl. chapel, auditorium, etc., 5th St. $994,000.

O., Cleveland—APARTMENT—Stein & Rabinowitz, 3532 East 118th St., having plans prepared by L. Skolnik, Auditorium Garage Bldg., 3 story and basement, 74 x 108 ft., brick and timber, Bosworth Rd. $150,000.

O., Cleveland — CLUB HOUSE — Cleveland Lodge of Elks 18, c/o W. J. Pierik Bldg., 1016 Euclid Ave., having sketches made by F. W. Bail, Hanna Bldg., 5 story, brick, steel and concrete, East 13th St. and Chester Ave. $500,000.

O., Cleveland — GARAGE — F. Fronek, 5303 Doloff Rd., having plans prepared by T. Cerny, 4025 East 52nd St., 2 story and basement, 50 x 117 ft., brick and steel addition, Doloff Rd. and Barkwill Ave. $40,000.

O., Cleveland—WAREHOUSE—May Co., N. L. Dauby, vice-pres., Euclid Ave., having preliminary plans prepared by Lehman Schmitt Co., engrs. and archts., Hunkin-Conkey Bldg., 5 story and basement, brick and rein.-con., Payne Ave. $1,000,000.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—F. N. Riley & associates, Hanna Bldg., Cleveland, having plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., Cleveland, 10 story and basement, brick, steel and concrete addition, Cedar Rd. and Euclid Heights Blvd. $500,000. Noted Nov. 25.

O., Sandusky—HOTEL—T. Hiet plans 8 or 9 story hotel, here. $500,000.

O., Toledo — HOSPITAL — Toledo Hospital, F. Kennison, vice. pres., 2820 Collingwood Ave., having plans prepared by Schmidt, Garden & Erickson, 174 South Michigan Ave., brick, concrete and steel hospital, Kenwood Ave., Monroe St. and North Cove Blvd.

O., Youngstown—THEATRE—E. Renner, pres. State Theatre Co., 835 Michigan Ave., takes bids about Apr. 8, new theatre, West Federal St. $500,000. C. Bates, 77-12th St., Wheeling, W. Va., and W. Cook, Youngstown, archts.

Ind., Gary—STORE and OFFICE—J. Heuer, 1632 Sheffield Ave., Chicago, Ill. having plans prepared by H. J. Schlacks, 820 Tower Court, Chicago, Ill., and soon takes bids 4 story and basement, rein.-con., brick and steel, stone and office building, here. $150,000.

Ind., Indianapolis — APARTMENT — Bruce DeMarcus, 824 Continental Bank Bldg., having plans prepared by Thornton & Rodecker, 658 Fairfield Ave., rein.-con. brick and steel, 49th and Pennsylvania Sts. $150,000.

Ind., Indianapolis — P. Wheatley, c/o Y. W. C. A., 601 North West St., having preliminary plans prepared 3 story and basement, rein.-con., brick and steel, incl. 25 sleeping rooms, swimming pool and gymnasium. H. C. Atkins, Illinois and South Sts., in charge. Engineer and architect not selected. $200,000.

Mich., Detroit—APARTMENT—Windmill Pointe Builders Corp., H. F. Schwier, 3017 Gray Ave., having plans prepared by D. A. Wright, 133 West Grand Blvd., 2 story and basement, 210 x 270 ft., rein.-con. and brick, plain foundation, Harcourt Ave. $200,000.

Mich., Detroit — APARTMENT, STORE and THEATRE — Owner, c/o Kohner & Payne, archts., 406 Kresge Bldg., having plans prepared 2 story and basement 168 x 280 ft., rein.-con., brick and steel, near Grand River. $500,000.

Mich., Detroit — CLUB — Embassy Club, c/o Halpin & Jewell, archts., 1024 Hammond Bldg., having plans prepared 6 story and basement 100 x 134 ft., rein.-con., brick, terra cotta and steel, Temple Ave.

Mich., Detroit — MERCANTILE — J. L. Hudson Co., Woodward Ave., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 10 story and basement, rein.-con., brick, steel and stone addition.

Mich., Hamtramck (br. Detroit)—COMMUNITY HOUSE—Tau Beta Community House, 3055 Hanley Ave., Detroit, plans 3 story and basement, rein.-con., brick and steel, here. $200,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT HOTEL—Beaconfield Building Corp., c/o Wolf, Sexton, Harper & Trueax, archts., 431 North Michigan Ave., having plans prepared 8 story and basement, 50 x 160 ft., rein.-con., brick and stone, 6530 Kenwood Ave. $800,000.

Ill., Chicago — APARTMENT HOTEL and STORE—P. T. Johnstone, archt., 190 North State St., takes bids about Apr. 15, 12 story, basement, and roof garden, 45 x 150 ft., rein.-con., brick and terra cotta, Granville and Winthrop Aves. $650,000. Owner's name withheld.

Ill., Chicago — HOSPITAL — Church of Brethren, 3415 West Van Buren St., having preliminary sketches made 6 story, 116 x 128 ft. hospital, Trumbull Ave. and Van Buren St. $500,000.

Ill., Chicago — HOSPITAL — Womens & Childrens Hospital, 1712 West Adams St., having preliminary sketches made by Schmidt, Garden & Erickson, 104 South Michigan Ave., 6 story and basement, 100 x 125 ft. hospital, Ashland and Maypole Aves. $500,000.

Ill., Chicago — HOTEL — Syndicate, c/o Oman & Lilienthal, archts., 64 West Randolph St., having plans prepared and soon takes bids 20 story and basement, 100 x 100 ft., rein.-con. and brick, Ohio and St. Clair Sts. $3,000,000.

Ill., Chicago—HOTEL—H. Dalsey, archt., 64 West Randolph St., preparing plans 8 story and basement, 91 x 128 ft., rein.-con., brick and terra cotta, Sheridan Rd. near Bway. $750,000. Owner's name withheld.

Ill., Chicago—INSURANCE EXCHANGE—Insurance Exchange Building Corp., 175 West Jackson St., having plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., 21 story (ultimately 41 story), 200 x 200 ft. addition, Jackson Blvd., Sherman Van Buren and Wells Sts. $7,500,000.

Ill., Chicago—LODGE—P. L. Gerhardt, archt., 64 West Randolph St., Chicago, prepared plans and soon takes bids 6 story and basement, 100 x 108 ft., brick, steel and stone, 4740-48 North Western Ave., for I. O. O. F. 812, c/o architect. $600,000.

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Buildings—Commercial (Continued)

Ill., Chicago—THEATRES, OFFICE and STORE—Syndicate, c/o V. J. Curto, 4615 Bway., having sketches made by Huszagh & Hill, 6 North Michigan Ave., 8 story and basement, 150 x 250 ft., Lawrence and Winthrop Aves. $2,000,000.

Ill., Evanston—OFFICE and STORE—J. A. Nyden, archt., 190 North State St., Chicago, made plans and soon takes bids 4 story and basement, 120 x 120 ft., rein.-con. and brick, here, for J. Hahn. $350,000. Noted Feb. 10.

Ill., Peoria — WAREHOUSE — Standard Oil Co. of Indiana, 910 South Michigan Ave., Chicago, Ill., soon takes bids 3 story and basement, 36 x 60 x 210 ft., rein.-con. and brick warehouse, here. $200,000. Private plans.

Ill., Wilmette—CLUB—J. Eberson, archt., 212 East Superior St., Chicago, preparing plans and soon takes bids superstructure 8 story, 125 x 226 ft. club house, Sheridan Rd., near here, for Breakers Beach Club, 105 West Monroe St., Chicago. Noted Oct. 7.

Wis., Green Bay — SANATORIUM — Brown Co., c/o Clerk, Court House, plans rein.-con., brick and steel, Hickory Grove. $150,000. Engineer and architect not selected.

Wis., Milwaukee—APARTMENT—H. C. Haeuser, archt., 445 Milwaukee Ave., soon lets contract 3 story and English basement, 60 x 160 ft., rein.-con., brick and steel, plain foundation, Ogden Ave., for Pentgon, Inc., Milwaukee. $200,000.

Wis., Milwaukee — DORMITORY — State Dept. Agriculture, J. D. Jones, comr., State Capitol, Madison, plans 2 to 4 story, rein.-con., brick and steel dormitory, plain foundation, fair grounds, here. $150,000. Engineer and architect not selected.

Wis., Milwaukee—EXHIBITION—State Dept. Agriculture, Madison, J. D. Jones, comr., plans 2 story, rein.-con., brick and steel, plain foundation, fair grounds, here. $200,000. Engineer and architect not selected.

Wis., Milwaukee — THEATRE and STORE—Dick & Bauer, archts., 208 3rd St., soon lets contract 150 x 170 ft., rein.-con. and brick, plain foundation, 21st St. and National Ave., for National-Layton Impvt. Co., c/o architects. To exceed $150,000. Noted Nov. 4.

Wis., Milwaukee—THEATRE and OFFICE—Forest Investment Co. having plans prepared by A. G. Wolff, 453 Mirchell St., 2 story and basement, 114 x 175 ft., rein.-con. and brick, 18th St. and Forest Home Ave. $350,000.

Wis., Stevens Point — HOSPITAL — E. Brietmaier & Sons Co., archts., 1st Wisconsin Natl Bldg., Milwaukee, take bids about June 1, 4 story and basement, brick, stone and steel addition, plain foundation, here, for St. Marys Convent, Marshfield. $200,000.

Minn., Minneapolis — MAIL ORDER HOUSE — Sears Roebuck & Co., C. M. Kittle, pres., Arthington and Homan Sts., Chicago, Ill., having plans prepared by G. C. Nimmons & Co., 122 South Michigan Ave., Chicago, Ill., 12 story and basement, rein.-con. and brick, Lake and 29th Sts., Elliot and 10th Aves., here. $2,000,000. M. C. Schwab, 30 North Michigan Blvd., Chicago, Ill., engrs.

Kan., Dodge City—HOTEL—Dodge City Hotel Co., c/o G. S. Howell, and O. Theis, Dodge City, having plans prepared by Ellis Charles Co., Orpheum Bldg., Wichita, and takes bids about Apr. 20, 5 story and basement, 115 x 125 ft., rein.-con. and brick, Walnut and Central Aves. $300,000. Noted Mar. 24.

Kan., Emporia—HOSPITAL and BOILER ROOM—Sisters of St. Francis having plans prepared by Bruikman & Hagan, 513 Citizens Natl. Bank Bldg., 3 and 4 story and basement, 45 x 160 ft., with two 42 x 50 x 60 ft. wings, rein.-con., brick and stone hospital and boiler room. $300,000.

Kan., Hutchinson—CELL HOUSE—State Reformatory, c/o Bd. Administration, Topeka, T. J. O'Neil, mgr., having preliminary plans prepared concrete, brick and stone cell house, here. $150,000 funds appropriated.

Neb., Hastings—MASONIC TEMPLE—Hastings A. F. & A. M., C. L. Walters, secy., having plans prepared by Keffer & Jones, 205 Masonic Temple, Des Moines, Ia., rein.-con., brick, steel and stone, 3rd and Hastings Sts. $300,000.

N. D., Jamestown—WARD—State appropriated $200,000, constructing new ward building at State Hospital for Insane, here.

Mo., Independence—THEATRE, HOTEL and STORE — A. E. Elliott, 618 South Crysler St., Independence, and G. S. Jackman Co., Boatmens Bank Bldg., St. Louis, will not construct 3 story, 25 x 40 ft., and 108 x 165 ft., rein.-con., brick, stone and terra cotta, 218 North Liberty St. $250,000 up. Project abandoned.

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Mo., Kansas City — APARTMENT — W. G. Wrenn, Commerce Bldg., having plans prepared by P. I. Drotts, Ry. Exch. Bldg., 8 story and basement, 80 x 122 ft., rein.-con. and brick, Armour St. and Harrison Blvd. $250,000. Noted Sept. 2.

Mo., Mine La Motte — CLUB — Sweet Water Country Club, c/o J. L. Bowling, Inc., archts., 1198 Arcade Bldg., St. Louis, having plans prepared 2.5 story, 40 x 180 ft., native stone and hollow tile club house, here. $150,000.

Mo., St. Louis—CIVIL COURTS—Bd. Pub. Serv., 208 City Hall, takes bids about May 10 (extended date), walls and exterior for 24 story and basement, 135 x 162 ft., concrete stone, terra cotta and steel, 11th, Chestnut and Market Sts. Archts. total est. $4,000,000. Plaza Comn., Inc., c/o owner, archts. and engrs. Noted Mar. 31.

Mo., St. Louis—GARAGE—Southwestern Bell Telephone Co., 11th and Pine Sts., having revised plans prepared by I. R. Timlin, 1917 Southwestern Bell Bldg., and soon takes bids 2 story, 90 x 100 ft., rein.-con., Tiffany and Chouteau Aves. Noted Feb. 3.

Mo., St. Louis — GARAGE — Universal Automobile Serv. Co., C. R. Felton, pres., Missouri Theatre Bldg., having preliminary plans prepared 6 story and basement, 150 x 150 ft., rein.-con. and brick garage, incl. glass enclosed roof garden, etc., Delmar Ave. near Grand Blvd. $700,000.

Tex., Amarillo—OFFICE—Santa Fe R.R., M. C. Blanchard, ch. engr. (western lines), purchased site and plans 10 story and basement, 60 x 100 ft. office building, 900 Polk St. $750,000.

Tex., Big Springs — HOTEL — Trost & Trost, 2 Republics Bldg., El Paso, soon lets contract 6 story and basement, rein.-con. and brick, plain foundation, for A. J. Crawford, Carisbad, N. M. $300,000.

Tex., Bryan—HOTEL—R. W. Howell plans 100 room hotel. $250,000. Engineer and architect selected soon.

Tex., Corpus Christi—HOTEL—Nueces Hotel takes bids after May 1, 6 story and basement, 105 room, rein.-con. and brick addition, plain foundation. $250,000. Adams & Adams, c/o Builders Exch. Bldg., San Antonio, archts. Noted Sept. 23.

Tex., Dallas—MASONIC TEMPLE— A. F. & A. M., S. P. Cochran, 1821 Young St., having preliminary plans prepared by Flint & Broad, 606 Melba Bldg., 5 story and basement, 117 x 117 ft., rein.-con., brick and steel, Harwood St. $500,000.

Tex., Houston — APARTMENT — J. M. Glover, archt., 735 Bankers Mortgage Bldg., preparing plans 6 story, basement and roof garden, rein.-con, brick and stone, Westheimer Rd. $300,000. Owners name withheld.

Tex., Houston—CITY HALL, FIRE and POLICE STATION—Election Apr. 11, $1,000,000 bonds new city hall; also $175,000 bonds, fire and police station. Address O. F. Holcombe, mayor.

Tex., Houston—HOSPITAL and MARKET—Election Apr. 11, $150,000 bonds hospital addition. also $400,000 bonds, farmers market. Address O. F. Holcombe, mayor.

Tex., Mercedes—HOTEL—R. C. Johnson, having preliminary sketches made by J. I. White, c/o Houston Bldg., San Antonio, 5 story and part basement, rein.-con. and brick, plain foundation. $200,000.

Tex., Midland—STORE and OFFICE—J. B. Thomas, doctor, takes bids after Apr. 10, 5 story and basement, rein.-con. and brick, plain foundation. $150,000. D. S. Castle Co., 701 Alexander Bldg., Abilene, archts. Excavation for above to F. H. Wilmoth, Midland, approximately $10,000. Noted Feb. 17.

Tex., San Antonio — HOTEL — A. H. Shafer Estate, 418 St. Marys St., takes competitive bids after Apr. 15, 11 story and basement, rein.-con. and brick, plain foundation, St. Marys and Pecan Sts. $500,000. P. G. Silber & Co., 331 Bedell Bldg., archts.

Tex., San Antonio — OFFICE — F. L. Thompson, c/o Maverick Bldg., plans 10 or 12 story, 115 x 165 ft., rein.con., brick and steel, plain foundation, Travis and Alamo Sts. $850,000.

Tex., San Antonio—ORPHANAGE DORMITORY—Catholic Diocese, c/o L. Drossaerts, St. Marys St., having plans prepared by L. M. J. Dielmann, 306 East Commerce St., 3 story, rein.-con. and brick, plain foundation, Conception Rd. $150,000.

Tex., Sweetwater—HOTEL—H. B. Allen and associates, plans 6 story, 105 room, brick, steel and rein.-con. hotel. $250,000. Engineer and architect not announced.

Okla., Ada—HOTEL—Ada Hotel Co. having preliminary plans prepared 5 story and basement, 75 x 150 ft., rein.-con. and brick, plain foundation, Main St. $200,000. Engineer and architect not selected.

Okla., Muskogee — HOSPITAL — Oklahoma Baptist Hospital having preliminary plans prepared new hospital, 6th St. $160,000. O. T. Graham, pres. Engineer and architect not selected.

Okla., Oklahoma City—HOSPITAL—St. Anthonys Hospital having preliminary plans prepared by Monott & Reid, Empire Bldg., 3 story and basement, 42 x 140 ft., rein.-con. and brick addition, plain foundation, 9th St. $175,000.

Okla., Tulsa — APARTMENT — F. D. Griffith, archt., Richards Bldg., preparing plans and takes bids about Apr. 15, 6 story and basement, 100 x 140 ft., rein.-con., brick and stone, plain foundation, 5th St. $400,000. Owner's name withheld.

Okla., Shawnee — THEATRE — Griffith Bros. having preliminary plans prepared 2 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation, Bway. $150,000. Engineer and architect not selected.

Ore., Portland — EXCHANGE — Pacific Telephone & Telegraph Co., 8th and Oak Sts., having plans prepared 3 story, 82 x 100 ft., rein.-con. and brick, East 17th and Belmont Sts. $250,000. Private plans.

Ore., Portland—OFFICE—North Pacific Investment Co., c/o C. D. Morris, Corbett Bldg., had plans prepared by W. W. Lucius, Lewis Bldg., 12 story, 50 x 100 ft. office, 6th and Taylor Sts. $500,000.

Calif., El Centro — THEATRE — West Coast Theatres, Inc., c/o J. P. Perrine, Lincoln Bldg., Los Angeles, plans theatre, 7th and State Sts. $150,000.

Calif., Glendale — TEMPLE — Masonic Temple Assn. of Glendale, c/o A. G. Lindley, archt., Amer. Bank Bldg., Los Angeles, having plans prepared 4 or more story, 65 x 125 ft., steel and rein.-con., Brand Blvd. $175,000 or more.

Calif., Long Beach — AUDITORIUM — Plans election $2,800,000 bonds, municipal auditorium.

Calif., Long Beach—LODGE, HOTEL and THEATRE—Federation of State Societies, c/o P. F. Seierson, archt., Anaheim, having sketches made approximately 14 story and basement, steel lodge, hotel and theatre. To exceed $750,000.

Calif., Los Angeles—APARTMENT—C. C. Frye, archt., Grosse Bldg., preparing plans 4 story and basement, rein.-con., Sichel and Bway Sts. $150,000. Owners name withheld.

Calif., Los Angeles—APARTMENT—R. Nicolais, archt., 686½ South Vermont Ave., preparing preliminary plans 4 story and basement, brick, South Vermont Ave. $150,000. Owner's name withheld.

Calif., Los Angeles — HOTEL — M. M. Friedman, archt., Detwiler Bldg., plans 4 story and basement, 95 x 150 ft., brick, 9th and Bonnie Brae Sts. $150,000. Owner's name withheld.

Calif., Los Angeles — OFFICE—R. B. MacIntosh, 3827 Hyans St., soon takes bids 13 story, basement and sub-basement, 65 x 160 ft., rein.-con., 1st St. and Bway. $800,000. E. L. Maybury, 905 Transportation Bldg., archt.

Calif., Merced—HOTEL—Leonis Bros. having plans prepared by Wieland Bros. & W. Hubbert, 703 Market St., San Francisco, 3 story and basement, rein.-con. hotel. $150,000.

Calif., Oroville—THEATRE and STORE—West Coast Theatres, Inc. of Northern California, 988 Market St., San Francisco, purchased site and plans theatre and store, Meyers and Robinson Sts. $150,000 or more.

Calif., Pasadena—OFFICE—R. Loring, 45 South Marengo Ave., plans approximately 7 story and basement, 84 x 84 ft., Green St. $250,000.

Calif., Pasadena — THEATRE, STORE and OFFICE — Pantages Theatre Circuit, Pantages Theatre Bldg., Los Angeles, having preliminary plans prepared by B. M. Pretica, 913 Pantages Theatre Bldg., Los Angeles, probably 3 story, rein.-con., Hudson Ave. $150,000 or more.

Calif., Redlands—OFFICE, STORE and THEATRE—L. A. Smith, archt., 1584 West Washington St., Los Angeles, preparing preliminary plans, rein.-con. store, office and theatre. To exceed $150,000. Owners name withheld.

Calif., San Francisco—APARTMENT—C. F. Ernst, 1631 20th Ave., had plans prepared by J. C. Hladik, Monadnock Bldg., 6 story and basement, rein.-con., Fillmore St. near Jackson St. $165,000.

Calif., San Francisco—APARTMENT—R. Trollman, c/o N. W. Mohr, archt., 4405 20th Ave., having preliminary plans prepared 3 story and basement, frame or concrete, Mission St. near Action Pl. $150,000.

Calif., San Francisco—APARTMENT—J. R. Aurreceocheau, 4200 Balboa St., had plans prepared by M. Morrison, Sharon Bldg., 4 story and basement, concrete, Balboa and 43rd Aves. $150,000.

Buildings—Commercial (Continued)

Calif., San Francisco—APARTMENT—P. Dolman, 490 Post St., having preliminary plans prepared by C. A. Meussdorffer, Humboldt Bank Bldg., 12 story and basement, rein.-con., Vallejo St. near Laguna St. $500,000.

Calif., San Francisco—APARTMENT—W. L. Penziner, 58 Sutter St., having plans prepared 6 story and basement, rein.-con., Bush and Octavia Sts. $175,000. Private plans.

Calif., San Francisco — LODGE — Independent Order of Foresters, 172 Golden Gate Ave., plans fireproof lodge. $150,000.

Calif., San Pedro—BANK and OFFICE—P. A. Palmer, Insurance Exch. Bldg., Los Angeles, having plans prepared by R. D. King, Van Nuys Bldg., Los Angeles, 13 story and basement, approximately 45 x 100 ft., rein.-con., brick and terra cotta, Front and 1st Sts.

Calif., Ventura—THEATRE—S. Lesser et al, c/o L. A. Smith, archt., 1584 West Washington St., Los Angeles, had plans prepared theatre. $200,000. Noted Dec. 16.

Ontario—ADDITIONS, etc.—Dept. Pub. Wks., Parliament Bldgs., Toronto, having plans prepared addition to Ontario Hospital, Woodstock, $100,000; addition to Insane Asylum, Guelph, $75,000; completing new government East Block, Toronto, $300,000; technical college, Hamilton, $100,000; steel water tank at Ontario Hospital, London, $10,000; addition at Ontario Agricultural College, Guelph, $30,700; and Beck Memorial Hospital, London, $50,000. F. R. Heakes, Parliament Bldgs., Toronto, archt.

Ont., Toronto — APARTMENT — S. T. Floyd, C. P. R. Bldg., plans 3 or 4 story and basement, brick and stone, Avenue Rd. and Poplar Plains Crescent. $175,000. Engineer and architect not selected.

Ont., Toronto—GARAGE—Central Motors Apartments Ltd., 40 Temperance St., plans 2 story rein.-con., brick and steel addition. $150,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Ont., Toronto—HOTEL—Canadian Pacific Ry. Co., Windsor Station, Montreal, Que., having plans prepared by Ross & MacDonald, 1 Belmont St., Montreal, Que., and Sproatt & Rolph, 1162 Bay St., Toronto, brick, steel and rein.-con., Front St. W. $4,000,000-$5,000,000. Noted Feb. 17.

Ont., Toronto—SHOWROOM and OFFICE—Bennett & Elliott Ltd., 1108 Bay St., purchased site and plans 3 or 4 story and basement, concrete, brick and steel, St. Albans Ave. and Bay St. $150,000. Engineer and architect not selected.

Bids Desired

N. H., Grasmere — HOSPITAL — Grasmere Co. Hospital, c/o C. R. Whitcher, archt., 814 Elm St., Manchester, taking bids 3 story, basement and 2 wings plain foundation, here. $150,000.

Vt., Windsor — MASONIC — Vermont Lodge 18, C. Tuxbury, chn., taking bids 1 and 2 story and basement, brick and stone addition, plain foundation. $150,000. Wells & Hudson, Hanover, archts. Noted Mar. 17.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Boston—STORE and OFFICE—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Chicopee — THEATRE, STORE and OFFICE — Wernick Bros., 108 Main St., taking bids 2 story and basement, 65 x 150 ft., brick and steel, plain foundation. $200,000. G. P. B. Alderman Co., 316 High St., Holyoke, archts.

Mass., Chicopee—THEATRE—Goldstein Bros., Bway. Theatre, Springfield, taking bids 3 story and basement, rein.-con., brick and steel, plain foundation, Spring St. To exceed $150,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts. Noted Mar. 31.

Mich., Detroit — APARTMENT — G. W. Graves, archt., 233 John R. St., taking bids 8 story and basement apartment in connection with 3 story apartment, rein.-con., brick, steel and stone apartment, St. Paul and Van Dyke Aves., for Grosse Pointe Investment Co., Grosse Pointe. $500,000.

Mass., South Boston (sta. Boston) — WAREHOUSE and OFFICE — See "Contracts Awarded."

Mass., Springfield—GARAGE—Memorial Garage Corp., F. W. Lumis, 28 Bedford Rd., taking bids 5 story, 130 x 210 ft., rein.-con. and steel, plain foundation, Vernon St. To exceed $150,000. H. C. Hearne, 1387 Main St., archt.

R. I., East Providence—THEATRE—See "Contracts Awarded."

R. I., Pawtucket—STORE, GARAGE and REPAIR SHOP—Pawtucket Times, C. O. Block, pres., taking bids 1 and 2 story, rein.-con. and brick, plain foundation, Montgomery St. $50,000. R. C. N. Monahan & R. C. Meikle, 255 Main St., archts.

Conn., Danbury — APARTMENT and GARAGE — Apr. 11, by North Shore Properties, 114 Amity St., Flushing, N. Y., brick and steel, incl. 180 car garage, Stone St., here. $800,000. A. J. Thomas, 2 West 46th St., New York City, archt. Noted Mar. 3.

Conn., Meriden—TEMPLE—Apr. 18 (extended date), by Masonic Temple Assn., 104 East Main St., 3 story, 70 x 100 ft., brick, steel, stone and marble, East Main St. $200,000. W. T. Arnold, Journal Bldg., archt. Noted Mar. 10.

Conn., New Haven — THEATRE and OFFICE — H. Pite, 385 Whalley Ave., taking bids 2 story, 60 x 140 ft., rein.-con., brick and steel, Ferry St. $150,000. H. Cannici, 42 Church St., archt.

N. Y., Whitestone (Ind. sta. Flushing)—APARTMENT—See "Contracts Awarded."

N. J., Elizabeth — APARTMENT — See "Contracts Awarded."

N. J., Plainfield — APARTMENT — See "Contracts Awarded."

D. C., Wash.—HOSPITAL—Apr. 29, by District Comrs., Room 509, District Bldg., domestic or service building, corridor, etc. to Psychopathic group and Ward Building 4, at Gallinger Municipal Hospital; adv. E. N.-R. Apr. 7. Noted Feb. 3.

S. C., Orangeburg—COURT HOUSE—Apr. 14, by Orangeburg Co. Court House Comn., new court house. J. B. Urquhart, 605 Palmetto Bldg., Columbia, archt.

O., Springfield—EXCHANGE—Apr. 15, by Ohio Bell Telephone Co., 4300 Euclid Ave., Cleveland, 1 story (ultimately 6 story) and basement, 67 x 96 ft., brick and rein.-con. exchange. $150,000. Mills, Rheimes, Bellman & Nordoff, Ohio Bldg., Toledo, archts. G. A. Hozitsky, 4,300 Euclid Ave., Cleveland, engr.

Mich., Jackson—OFFICE—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, Mich., taking bids 2 story and basement, 90 x 132 ft., brick, rein.-con., steel and limestone, plain foundation, Jackson St., here, for Michigan Bell Telephone Co., Cass Ave., Detroit. $250,000. Noted Mar. 24.

Ill., Alton—CITY HALL—Apr. 15, by Pub. Building Com., E. B. Watson, chn., 2 story and basement, 90 x 120 ft., concrete, brick, stone and tile, concrete foundation. $200,000. N. S. Spencer & Son, 25 East Jackson Blvd., Chicago, archts. Noted Feb. 3.

Ill., Chicago—APARTMENT—Huszagh & Hill, archts., 6 North Michigan Ave. taking bids 6 story and basement, 50 x 133 ft., rein.-con. and brick, 6322 Kenmore Ave., for A. Vater, c/o architects. Archts. est. $300,000.

Ill., Chicago — BANK, OFFICE and STORE — A. Epstein, archt., 2001 West Pershing Rd., taking bids 2 story and basement, 84 x 207 ft., rein.-con., brick and steel hospital. $170,000. Parkinson & Dockendorff, La Crosse, archts. Noted Mar. 24.

Ia., Cedar Rapids—TEMPLE—Apr. 11, by Building Com. of Iowa Consistory 2, 2 story, 130 x 180 ft., rein.-con., brick, steel and stone, plain foundation. $250,000. W. J. Brown, Bever Bldg., archt. Noted Mar. 3.

Mo., Louisiana—HOSPITAL—Apr. 12, by Otis Smith Hospital Assn., c/o C. G. Buffum, pres., at office E. B. Rule, having plans prepared by G. D. Barnett, 913 Syndicate Trust Bldg., St. Louis, 3 story, rein.-con., brick and stone hospital. $150,000.

Tex., Dallas—HALL of RECORDS—May 2, by C. E. Gross, aud. Dallas Co., furnishing and erecting all structural steel, also excavation, foundation, etc. 5 story and basement, 100 x 200 ft. hall of records. Noted Feb. 24.

Tex., San Antonio—CITY HALL—Apr. 12, by City Comn., 1 story addition, Military Plaza. $250,000. Adams & Adams, c/o Builders Exch. Bldg., archts. Noted Mar. 31.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—OFFICE—See "Contracts Awarded."

Calif., San Bernardino — THEATRE, STORE and OFFICE — J. P. Perrine, archt., Lincoln Bldg., Los Angeles, taking bids 2 story, rein.-con., 4th St., for W. O. Harris, et al. $200,000. Associated Theatres, Inc., 649 South Olive St., Los Angeles, lessee. Noted Mar. 24.

Bids Received

O., Cleveland—AUDITORIUM—W. R. Hopkins, city mgr., 5 story, basement and 2 wings, 125 x 208 ft., and 60 x 208 ft., steel, stone and concrete addition, East 6th St., Ludlow and St. Clair Aves., from Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., $1,957,000. Noted Feb. 3.

Contracts Awarded

Mass., Boston—APARTMENT—Shikes & Long, 18 Tremont St., will build 5 story and basement, brick and stone, plain foundation, 260-266 Commonwealth Ave., by day labor. To exceed $150,000. S. S. Eisenberg, 46 Cornhill, archt.

Mass., Boston—STORE and OFFICE—A. W. Peery, Inc., 453 Washington St., will alter and construct 7 story and basement, 45 x 60 ft., brick and steel addition, plain foundation, 20 Hayward Pl. $150,000. Work will be done by separate contracts. Blackall, Clapp & Whittemore, 31 West St., archts.

Mass., Boston—STORE and OFFICE—Owner, c/o R. M. Bradley & Co., 60 State St., will alter and construct 5 story and basement, brick, plain foundation, 476 Boylston St., by day labor, J. F. Hichey, in charge, 14 State St. $150,000. Private plans.

Mass., Cambridge (Boston P. O.) — APARTMENT — J. A. Carrig, 1374 Massachusetts Ave., will build 4 story and basement, 70 x 120 ft., brick and stone, plain foundation, Dana St. $150,000. Work will be done by separate contracts. H. Harlow, 4 Brattle St., archt.

Mass., Dorchester (Boston P. O.) — BANK — First Natl. Bank, 67 Milk St., Boston, 1 story and basement, rein.-con., brick, steel and stone, Dorchester Ave., to M. J. Fish & Son Co., 161 Summer St., Boston. Archts. est. $150,000. Noted Nov. 25.

Mass., Dorchester (Boston P. O.) — STORE and OFFICE — H. A. Kerner, Capitol Textile Co., 749 Dudley St., 3 story and basement, 70 x 100 ft., brick and stone, plain foundation, 761-767 Dudley St., to Frankini Bros., Co., 30 Mystic Ave., Medford. Archts. est. $150,000. Noted Mar. 10.

Mass., South Boston (sta. Boston) — WAREHOUSE and OFFICE — Truscon Steel Co., A. Estes, in charge, 260 Tremont St., Boston, will build 1 and 2 story, rein.-con. and steel, plain foundation, by day labor, here. $150,000. Private plans. Noted Jan. 13.

Mass., Southbridge — BUSINESS — Blanchard Bros. Co., 291 Main St., 3 story and basement, 70 x 100 ft., brick and steel, plain foundation, to F. X. Laliberte & Son, 59 Beecher St. Archts est. $150,000.

Mass., Taunton — THEATRE—Donovan Amusement Co., J. J. Donavan, pres., 1 story and basement, brick and steel plain foundation, 30-32 Bway., to W. K. Barker, 4 Cohannet St. Archts. est. to exceed $150,000. Noted Mar. 24.

R. I., East Providence—THEATRE—E. H. Bigney, 49 Weybosset St., Providence, will build 1,200 seating capacity, brick and steel, James St. and Taunton Ave., here, by day labor. $160,000. A. A. Spitz, 623 Caesar Misch Bldg., Providence, lessee.

Conn., New Haven—STORE and OFFICE—F. W. Woolworth Co., 834 Chapel St., 6 story and basement, 75 x 125 ft., and 60 x 75 ft., limestone and granite, to J. W. Ferguson Co., 40 West 40th St., New York City. Archts. est. $500,000. Noted Feb. 17.

Conn., Waterbury — OFFICE and GARAGE — Bristol Co. Platts Mills, 3 story, brick, steel and rein.-con., plain foundation, to Tracy Bros., 52 Benedict St. Archts. est. $160,000. Noted Mar. 17.

N. Y., New York—WAREHOUSE—R. C. Williams Co., 10 story, 100 x 200 ft., rein.-con., brick and steel, 10th Ave. between 25th and 26th Sts., to Barney-Ahlers, 110 West 40th St. Archts. est. $250,000.

N. Y., Whitestone (Ind. sta. Flushing)—APARTMENT—A. Albert, Elm Ave. and East 13th St., Brooklyn, will build 4 story, 131 x 236 ft., brick and steel, stone, plain foundation, Queens Blvd. and 16th Ave. Beechhurst, here. $200,000. Work will be done by separate contracts.

N. J., Atlantic City — CONVENTION HALL—M. B. Markland Co., 3540 Atlantic Ave., general contractors convention hall, awarded sub-contracts stone, to Indiana Limestone Co., Bedford, Ind.; rein.con., to Concrete Steel Co., 42 Bway., New York City; and structural steel, to Amer. Bridge Co., 30 Church St., New York City. Noted Jan. 20.

N. J., Alantic City—HOTEL and RESTAURANT—Childs Co., 200 5th Ave., New York City, 18 story, brick, steel and stone, plain foundation, here, to G. A. Fuller, 175 5th Ave., New York City. Archts. est. $2,500,000. Noted Mar. 4.

N. J., Bayonne — HOSPITAL and NURSES HOME — Bayonne Hospital, 30th

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Buildings—Commercial (Continued)

St., 6 story hospital and 4 story nurses home, brick and steel, plain foundation, 30 and 31st Sts., Bway. and Avenue E, to H. Montague & Son, 15 Exchange Pl., Jersey City, $691,000. Noted Mar. 24.

N. J., Camden—DEPARTMENT STORE—G. C. Nimmons Co., archts., 122 South Michigan Ave., Chicago, Ill., two 2 story, 163 x 240 ft., and 68 x 104 ft., rein.-con. and brick, wood pile foundation, Bridge Blvd. between Memorial and Mt. Ephraim Aves., here, to Irwin & Leighton, 126 North 12th St., Phila., Pa., for Sears Roebuck Co., Roosevelt Blvd., Phila., Pa.

N. J., Elizabeth—APARTMENT—A. N. Allcroft, 225 Orchard St., will construct masonry and carpentry work 5 story, 90 x 125 ft., brick and timber, plain foundation, Westminster Ave. $325,000. J. B. Beatty, 15 North Reid St., archt. Architect taking bids on sub-contracts. Noted Jan. 28.

N. J., Jersey City—THEATRE—Stanley Fabian Syndicate, Phila., Pa., 127 x 315 ft., brick, steel and stone, plain foundation, Pavonia Ave. and Hudson Blvd., here, to J. W. Ferguson Co., United Bank Bldg., Paterson. Archts. est. $1,500,000.

N. J., Plainfield—APARTMENT—W. H. Pfau, Inc., 105 East Front St., will build 4 story, 50 x 50 ft., brick, plain foundation, Madison Ave. $150,000. Work will be done by separate Contracts. A. M. Korff, 203 Park Ave., archt.

N. J., Totowa (mail Paterson)—ASSEMBLY HALL, etc. — Bd. Institutions & Agencies, State Bldg., Trenton, general contract brick and steel assembly hall and recreation building at state institution, here, to F. and C. Haerter, 769 Dewey Ave., Union City, $111,646.

Pa., Phila. — APARTMENT — L. M. Lifter, Jefferson Bldg., 9 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, 62rd and Walnut Sts., to Armstrong & Latta, 1926 Sansom St. Archts. est. $1,250,000.

Pa., Phila.—ARCADE—L. B. Rothschild, archt., 215 South Broad St., 2 story and basement, 46 x 230 ft., rein.-con., brick and steel, plain foundation, 1309-11 Walnut to 1306-08 Sansom Sts., to J. S. Rogers Co., Drexel Bldg., for One Thousand Three Hundred and Nine to Eleven Walnut Street Investment & Holding Co., c/o S. W. Sargent, 1600 Walnut St. Noted Mar. 17.

Pa., Phila. — STORE — C. E. Wunder, archt., 1520 Locust St., 8 story and basement, 71 x 146 ft., rein.-con., brick and steel, plain foundation, 17th and Locust Sts., to Roberts & Roller, 1700 Walnut St., for Bonwit Teller Co., 13th and Chestnut Sts. Noted Mar. 3.

Md., Baltimore — **HOSPITAL** — Church Home and Infirmary, Bway. and Fairmount Ave., 5 story, irregular shaped, rein.-con. and brick, Bway. and Fairmount Ave., to C. L. Stockhausen Co., Gay and Water Sts. $150,000.

W. Va., Wheeling—THEATRE—Capitol Theatre Co., Belmont St., J. Paulis, pres., 4 story and basement, 139 x 228 ft., concrete, brick and steel, to R. R. Kitchen Co., 37-19th St. Archts. est. $500,000. Noted Feb. 17.

Fla., Tampa—BUSINESS—Tarr Furniture Co., Tampa and Twiggs Sts., 6 story business block, to Logan Bros., 706 Franklin St. Archts. est. $175,000. Noted Oct. 21.

La., Pineville—HOSPITAL and ADMINISTRATION—Central Louisiana Hospital for Insane, J. N. Thomas, supt., general contract 2 story, and basement, 34 x 191 ft. hospital, to Caldwell Bros., 816 Howard Ave., New Orleans, $142,650; and 2 story and basement, 46 x 126 ft. administration building, to Tudor & Ratcliff, Commercial Bank Bldg., $80,295, both rein.-con. and brick. Noted Mar. 17.

O., Cincinnati—APARTMENT—Schwartz Realty Co., Provident Bank, 5 story and basement, 90 x 170 ft., brick and rein.-con., plain foundation, Erie Ave., to E. Schwartz Co., Provident Bank, $200,000. Noted Mar. 10.

O., Cleveland — TERMINAL WAREHOUSE — New York, Chicago & St. Louis R.R., A. C. Harvey, ch. engr., Columbia Bldg., 1 story 80 x 320 ft., brick and steel, East 45th St., to Austin Co., 1611 Euclid Ave. Engrs. est. $225,000.

O., Dayton—Y.M.C.A., 3rd and Ludlow Sts., 5 story, brick and rein.-con., plain foundation, 5th St., to Industrial Building Co., Reibold Bldg., $155,450. Noted Dec. 30.

Ind., Anderson — APARTMENT — Mainview Apartment Co., 1521 Jackson St., general contract rein.-con., brick and steel, to Baynham & Co., 609 Chamber of Commerce Bldg., Indianapolis. Archts. est. $150,000. Noted Mar. 24.

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Ind., Anderson — APARTMENT — Stebbing Realty Co., 3 story, 50 x 144 ft., rein.-con., 12th and Lincoln Sts., to Boynham Constr. Co., 3542 North Pennsylvania St., Indianapolis, $150,000. Noted Mar. 10.

Ind., Crown Point—HOSPITAL—W. E. Whitaker, aud. Lake Co., general contract Tuberculosis Sanitarium, to J. A. Tintari, Chicago Heights, Ill., $108,766. Noted Mar. 24.

Ind., Evansville — HOTEL — Claremont Hotel Co., general contract rein.-con., brick and steel hotel, to M. J. Hoffman Constr. Co., 403 Furn Bldg. Archts. est. $150,000. Noted Feb. 24.

Ind., Gary — APARTMENT — Avenue Apartment Co., general contract rein.-con., brick and steel apartment, to Anderson Bros., Gary. Archts. est. $150,000.

Ill., Chicago—APARTMENT and STORE—I. J. Berkson, 7 South Dearborn St., general contract 8 story and basement, 75 x 110 ft., rein.-con. and brick, to Calner Constr. Co., 134 North La Salle St. Archts. est. $600,000.

Ill., Chicago—APARTMENT—Theilbar & Fugard, archts., 219 East Superior St., general contract 14 story and basement, 40 x 100 ft. brick, 1350 Astor St., to Beuttas Bros., 720 Cass St., for Syndicate c/o contractors. Archts. est. $400,000.

Ill., Chicago—APARTMENT and STORE—B. L. Steif & Co., archts., 307 North Michigan Ave., masonry contract 3 story and basement, 125 x 193 ft., rein.-con. and brick, 2747-65 Milwaukee Ave., to H. Entin, 2751 Giddings St., for H. Lanski, 77 West Washington St. Archts. est. $450,000. Noted Nov. 11.

Ill., Chicago — WAREHOUSE — A. Epstein, archt., 2001 West Pershing Rd., general contract 3 story and basement, 90 x 250 ft., rein.-con. and brick, 3651 Iron St., to E. W. Sproul Co., 2001 West Pershing Rd., for Walgreen Co., 744 Bowen Ave. Archts. est. $250,000. Noted Mar. 10.

Ill., Steger — CLUB HOUSE — See "Unclassified."

Mo., University (St. Louis P. O.)—OFFICE and BANK—University Holding Co., 6602 Delmar Blvd., 3 story and basement, 75 x 85 ft., rein.-con, brick, limestone and Carthage stone, Delmar Blvd. and Heman St., to Dickie Constr. Co., 1643 Syndicate Trust Bldg., St. Louis.

Tex., Beaumont—BANK and OFFICE—Amer. Natl. Bank, c/o C. H. Stroeck, vice pres., 510 Pearl St., 12 story and basement, 75 x 100 ft., steel, rein.-con., brick and stone, Orlean and Bowie Sts., to Central Contg. Co., 1242 Athletic Bldg., Dallas, $600,000. Noted Oct. 7.

Tex., Dallas—COMMERCIAL—H. Marcus of Neiman-Marcus Co., 4 story (ultimately 20 story) and basement, 100 x 100 ft., also remodelling present 4 story and basement, steel, plain foundation, Ervay St., to Watson Co., Santa Fe Bldg., $300,000.

Tex., Dallas—OFFICE—Z. E. Marvin, of Marvins Pharmacy, 1415 Main St., 4 story (ultimately 15 story) and basement, 50 x 100 ft., steel, plain foundation, Main St., to Churchill-Humphrey Constr. Co., 207 Magnolia Bldg., $200,000 cost plus percentage basis.

Calif., Alameda—WAREHOUSE—Alaska Packers Assn., 111 California St., San Francisco, concrete and steel warehouse, to R. W. Littlefield, 357 12th St., Oakland, $197,245. Noted Mar. 3.

Calif., Beverly Hills—APARTMENT—I. W. Parker, 213 Speedway, 5 story and basement, brick, South Normandie Ave., to Parker Constr. Co., 3867 West 6th St., approximately $165,000.

Calif., Los Angeles—APARTMENT—M. Tagliaferro, 4 story and basement, 60 x 130 ft., brick, South Norton Ave., to Bard & Co., Chamber of Commerce Bldg., approximately $165,000.

Calif., Los Angeles — APARTMENT — Parker Constr. Co., 3867 West 6th St., will build 5 story and basement, brick, Normandie Ave., by day labor. $150,000.

Calif., Los Angeles—APARTMENT—L. Skoss, 1118 South Wilton Pl., will build 4 story and basement, brick, South Norton Ave., by day labor and segregated contracts. $150,000.

Calif., Los Angeles—CITY HALL—City, marble and tile work for city hall, to Musto-Keenan Co., 1801 South Soto St., $315,565.

Calif., Los Angeles—CHEMICAL—Dearborn Chemical Co. of Chicago, 310 South Michigan Bldg., Chicago, Ill., 2 story, 100 x 140 ft. chemical building, Mateo St. near 8th St., to V. P. Gilbert, 453 Spring St., $150,000.

Calif., Los Angeles—CLUB—Wilshire Athletic Club c/o Walker & Eisen, archts., Western Pacific Bldg., 6 story and basement, 140 x 150 ft., rein.-con., 3rd St. and Oxford Ave., to Taylor Co., 254 South Western Ave., approximately $650,000.

Calif., Los Angeles — OFFICE — Los Angeles Investment Co., Bway. between 10th and 11th Sts., will build 12 story, 105 x 118 ft., rein.-con. addition, to Western Pacific Bldg., Bway. between 10th and 11th Aves., by day labor. $500,000. Walker & Eisen, Western Pacific Bldg., archts.

Calif., Pasadena — MEDICO-DENTAL—Coast Holding Co., 7 story, 85 x 85 ft., rein.-con., Oakland Ave. and Green St., to P. A. Palmer, 707 Insurance Exch. Bldg., Los Angeles, $250,000.

Calif., San Francisco—APARTMENT—Johnson & Erlendsen (owners and contractors), 5312 Mission St., will build 3 and 4 story, frame and stucco, in vicinity Divisadero and Grove Sts. $150,000. Clausen & Amandes, Hearst Bldg., archts.

Calif., San Francisco — HOSPITAL — Roman Catholic Archbishop of San Francisco, for St. Elizabeths Hospital, brick and steel, to Clinton Constr. Co., 923 Folsom St., $168,355.

Calif., San Francisco — HOTEL — Fairmount Hotel Co., Mason and California Sts., 1 story, rein.-con. addition, California and Powell Sts., to Cahill Bros., Sharon Bldg., $165,750.

Calif., San Francisco — WAREHOUSE and MILL—Albers Bros. Milling Co., 332 Pine St., 2 story, rein.-con., Davis and Vallejo Sts., to G. Wagner, 181 South Park St., approximately $250,000.

Calif., San Pedro—BANK and OFFICE—Sea Port Building Corp., 13 story, 45 x 105 ft., rein.-con., brick and terra cotta, 1st and Front Sts., to P. A. Palmer, 707 Insurance Exch. Bldg., Los Angeles, $450,000.

Que., Three Rivers—EXCHANGE—Bell Telephone Co. Ltd., 118 Notre Dame St. W. Montreal, telephone exchange, Lanolette St., here, to Bruno Trepanier, N. Dame St., Three Rivers, $171,000.

Buildings—Industrial

Proposed Work

Mass., Worcester—REPAIR and SERVICE GARAGE—Smith & Fyfe, 130 Southbridge St., having plans prepared by J. Rustigian, 16 Norwich St., 1 story, rein.-con. brick and steel, plain foundation, Grove St. $40,000.

R. I., Pawtucket—BAKERY—New England Bakery Co., J. Collier, pres., Providence, takes bids about Apr. 11, brick, steel and concrete, Geneva and Dartmouth Sts., here. $250,000. McCormick & Co., 44 Park Row, New York City, archts. Noted Mar. 24.

N. Y., Bellport — LIGHT PLANT — Patchogue Electric Light Co., South Ocean Ave., Patchogue, plans electric light plant, here.

N. Y., Binghamton — PLANT — General Cigar Co., 119 West 40th St., New York City, having plans prepared by A. Freeman, 29 West 34th St., New York City, rein.-con., brick and steel, plain foundation, here. $600,000. Noted Mar. 24.

N. Y. Brooklyn—POWER HOUSE—Bush Terminal foot 43rd St. having designs made by Stevens & Wood, Inc., 120 Bway., New York City, power house equipment for warehouse, 34th St., here. This corrects report in Mar. 31 issue.

N. Y., New York—BAKERY—F. H. Bennett Biscuit Co., 139 Avenue D, having plans prepared by McCormick Co., 121 South Negley St., Pittsburgh, Pa., 7 story, rein.-con., brick and steel bakery. To exceed $700,000.

N. Y., Webster—GAS PLANT—Rochester Gas & Electric Corp., 89 East Ave., Rochester, plans extending gas plant, here.

N. J., Neptune City — BAKERY — Reitz Model Bakery having plans prepared by McCormick Co., 121 South Negley Ave., Pittsburgh, Pa., rein.-con., brick and steel addition. To exceed $100,000.

Pa., Phila.—FACTORY—W. Lowenthal, archt., 1208 Chestnut St., soon lets contract 4 story and basement, 40 x 80 ft., brick and steel addition, plain foundation, Frankford and Wildey Sts., for Jacob Bloom Co., 1049 Frankford St.

W. Va., Chester — FACTORY — Taylor Smith & Taylor Pottery Co. takes bids about Apr. 15, 1 and 2 story and basement, 110 x 140 ft., brick factory. $100,000.

Ala., Mobile — PLANT — Faulkner Concrete Pipe Co., L. E. Faulkner, pres., Hattiesburg, Miss., plans 1 story, 40 x 200 ft. concrete pipe plant, here. $50,000.

Miss., Jackson—PLANT—Faulkner Concrete Pipe Co., L. E. Faulkner, pres., Hattiesburg, soon takes bids 1 story, 40 x 200 ft., rein.-con. plant, here. $50,000. Noted Mar. 31.

Ky., Hopkinsville — FURNITURE FACTORY—Forbes Mfg. Co., W. H. Forbes, 2nd vice pres., plans 1 story and basement,

Buildings—Industrial (Continued)

27,000 sq.ft. floor space, rein.-con., brick and steel, 21st and Harrison Sts. $40,000. Engineer and architect not selected.

Ky., Louisville—FACTORY—Alton-Fisher Tobacco Co., 811 South 20th St., had plans prepared by V. Collins (deceased), 129 East College St., 7 story and basement, 85 x 150 ft., rein.-con. and brick addition, 811 South 20th St. $200,000, with equipment $500,000.

Ky., Louisville — HEAT RESISTING MATERIAL PLANT—F. B. Lincoln, pres. Lincoln Eng. Corp., Riverside Conn., et al, plan plant, 16th and Avery Sts., here. $2,000,000. Engineer and architect not selected.

O., Chillicothe — REPAIR GARAGE — Dept. Hys. & Pub. Wks., G. F. Schlesinger, dir. having plans prepared by H. B. Briggs, Ohio Hartman Bldg., Columbus, 1 story, 80 x 300 ft., brick and steel repair garage. $75,000.

O., Springfield — POWER PLANT — Bd. Trustees Wittenberg University, plans 25 x 35 ft. brick and concrete power plant, 25 ft. high. $55,000. H. D. Smith, 207 East State St., Columbus, engr.

Ind., Elkhart—PLANT—Adams & Westlake Co., 319 West Ontario St., Chicago, Ill., having plans prepared by Mundie & Jensen, 39 South LaSalle St., Chicago, Ill., rein.-con., brick and steel manufacturing plant, here. $400,000.

Ind., Evansville — SHOPS — Chicago & Eastern Illinois R.R. Co., L. C. Hartley, ch. engr., 66th St. and Union Ave., Chicago, Ill., having plans prepared and takes bids about May 1, four 1 story, rein.-con., brick and steel railroad shop buildings, here. $200,000.

Ind., Ft. Wayne — ROUNDHOUSE — Wabash R.R. Co., R. H. Howard, ch. engr., Exch. Bldg., St. Louis, Mo., having preliminary plans prepared brick and concrete roundhouse, 100 ft. turntable and trainmen's service building, here. $200,000. Private plans.

Ill., Chicago—BAKERY—Boysen Baking Co., 1001 West Chicago St., having plans prepared by McCormick Co., 121 South Negley St., Pittsburgh, Pa., rein.-con., brick and steel addition. To exceed $100,000.

Ill., Chicago — FACTORY — Parisian Novelty Co., 151 West 22nd St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., brick factory, 35th St. and Western Ave. $100,000.

Ind., Indianapolis — MACHINE SHOP and SERVICE STATION—Meridian Serv. Co., Meridian St., soon takes bids brick and steel, 2436 North Meridian St. $75,000. Vonnegut, Bohn & Mueller, 610 Indiana Trust Bldg., archt.

Mich., Muskegon—SERVICE and STORAGE GARAGE—Larsen Motor Sales Co. having plans prepared by F. E. Valentine, archt. and engr., Union Bank Bldg., 3 story, 64 x 113 ft., brick and steel, plain foundation, Western St. $50,000.

Mich., Muskegon Heights (Ind. sta. Muskegon)—ELECTRIC POWER SERVICE—Consumers Power Co., W. M. Lewis, dist. mgr., had plans prepared by Eng. Dept. of Owners, Jackson, 2 story and basement, 50 x 100 ft., brick service building, $60,000.

Neb., Omaha—PUBLISHING HOUSE—See Publishing Co., 40th and Cuming Sts., having preliminary plans prepared by J. Latenser & Sons, 732 Peters Trust Bldg., altering and constructing 2 story, 80 x 120 ft., brick addition, 17th and Jackson Sts. $75,000.

N. D., Fargo—BAKERY—Regan Bros. Baking Co., J. F. Regan, treas., 5th St. and 7th Ave., Minneapolis, Minn., having plans prepared by McCormick Co., 121 South Negley, Pittsburgh, Pa., rein.-con., brick and steel baking plant, here. To exceed $100,000.

Mo., Cape Girardeau—CLAY PRODUCTS MILL—Cape Silica Co. c/o J. W. Ford, Kankakee, Ill., having preliminary plans prepared rein.-con. mill, here. $80,000. E. H. Stroud & Co., 928 Fullerton St., Chicago, Ill. engrs.

Mo., Hannibal—SHOE FACTORY—International Shoe Co., 1501 Washington Ave., St. Louis, having preliminary plans prepared 3 story, 80 x 112 ft., rein.-con. and brick, Collier and South Maple Sts. $250,000. Private plans.

Mo., Springfield — ROUND HOUSE and COACH SHOPS—St. Louis & San Francisco R.R. Co., F. G. Jonah. ch. engr., Frisco Bldg., St. Louis, having preliminary plans prepared 7 stall round house addition, and 1 story, 60 ft. coach shop addition, both rein.-con. and brick, here. $100,000.

Mo., St. Louis—BAKERY—C. J. Patterson Corp., 4050 Penn St., Kansas City, having preliminary plans prepared by Vorse, Kraetsch & Kraetsch, 1201 Commonwealth Bldg., Des Moines, Ia., 3 story, rein.-on. and brick bakery, here. $100,000.

Tex., Alamo—COTTON GIN—C. A. Mankin, c/o Brady Bldg., San Antonio, making plans 5 stand, 80 saw capacity, cotton gin, La Blanca, near here. $40,000. Private plans.

Tex., Harlingen — COTTON MILL — Hamon & Co., archts., Corpus Christi, taking bids and open same about Apr. 15, 2 story, 5,000 spindle capacity cotton mill, rein.-con., brick and tile, here. $250,000. Owners name withheld. Noted Mar. 24.

Tex., Raymondville — COTTON GIN — Willacy County Gin Co., c/o L. O. Robbins, mgr., making plans and soon take bids 6 stand 80 saw capacity cotton gin plant at Santa Margarita. $40,000. Private plans.

Okla., Enid — PACKING PLANT and BOILER ROOM—Banfield Bros. Packing Co. having preliminary plans prepared by L. J. Menges, 405 Franklin Ave., St. Louis, Mo., 2 story, 100 x 140 ft., brick and tile packing plant, incl. boiler room, etc. $50,000. G. Birkland, 405 Franklin Ave., St. Louis, Mo., engr.

Okla., Waurika—COTTON GIN PLANT—J. N. Stout, et al. plan 5 stand, 80 saw capacity electrically operated cotton gin plant. $40,000. Private plans.

Calif., Delano — PACKING PLANT — Delano Grape Growers Products Co., c/o G. D. Riddle, archt., Central Bldg., Long Beach, having plans prepared 1 story, 200 x 200 ft., brick packing plant. To exceed $60,000.

Calif., Emeryville — FACTORY — C. K. Williams & Co., Easton, Pa., and 216 Pine St., San Francisco, purchased 10 acre site and plans factory, here.

Calif., Long Beach — AUTO PLANT — Ford Motor Co., Highland Park, Mich., having plans prepared by A. Kahn, 1,000 Marquette Bldg., Detroit, Mich., 1 story, brick, steel and concrete auto assembly plant, incl. oil and power houses, here. To exceed $500,000.

Calif., Monterey—PLANT—Interests represented by P. H. Oyer, Pacific Grove, plans sardine canning plant, here. $40,000 or more.

Calif., Pacific Grove—FACTORY—Amer. Can Co., Mills Bldg., San Francisco, purchased 5 acre site and plans can factory, probably rein.-con., foot of Yardley St. $750,000. Private plans.

Calif., Salinas — PLANT — Sago Milk Products Co., Salt Lake City, Utah. E. G. Meyer, dist. mgr., Salinas, plans 1 story, 60 x 160 ft. can manufacturing plant, Main St., here.

Calif., San Diego—PRODUCE TERMINAL—San Diego Wholesale Terminal Market Co., c/o J. M. Cooper, archt., Rives-Strong Bldg., Los Angeles, having plans prepared 1 and 2 story, 100 x 650 ft. main structure incl. another 60 x 650 ft. structure, foot of 5th St.

Calif., Tulare—POWER PLANT—City making estimates power plant.

Ont., Toronto—SHOWROOM and WAREHOUSE—Canadian Westinghouse Co. Ltd., Metropolitan Bldg., having plans prepared by B. H. Prack, 42 James St., N., Hamilton, 5 story and basement, rein.-con., brick and steel, plain foundation, King and Peter Sts. $150,000.

Bids Desired

N. H., Manchester — BAKERY — Cote Bros., 610 Main St., taking bids 2 story, 90 x 200 ft., rein.-con. and brick, plain foundation, South Elm St. $45,000. Butterfield-Guertin Co., Beech St., archts. Noted Mar. 3.

Mass., Allston (br. Boston)—REPAIR, SALES and SHOWROOM—C. Blackmeyer, 91 Brighton Ave., Boston, taking bids 3 story, 50 x 90 ft., brick and steel, plain foundation, 89-91 Brighton Ave., here. $70,000. S. S. Levy, 35 Court St., Boston, archt.

Mass., Beverly Farms — REPAIR and SERVICE GARAGE — Trowt & Murray, 715 Hale St., taking bids 1 story, rein.-con. and steel, plain foundation, Hale St. $40,000. M. F. Silver, Naugus Ave., Marblehead, archt.

Mass., Boston — MANUFACTURING — See "Contracts Awarded."

Mass., Milford—REPAIR SHOP, STORAGE and GARAGE—Milford Electric Light Co., 241 Main St., taking bids 2 story, brick, plain foundation. $40,000. E. L. Rawson, 6 Beacon St., Boston, archt.

Mass., Roxbury (Boston P. O.)—DYE HOUSE—Independent Dye House, 122 St. Stephens St., Boston, taking bids 1 story rein.-con. and brick, plain foundation, 33-39 Allerton St., here. $45,000. Winebaum & Wexler, 73 Cornhill, Boston, archts.

Mass., Rutland — WOODWORKING SHOP—See "Contracts Awarded."

Pa., Phila. — MANUFACTURING — See "Contracts Awarded."

Pa., Phila.—MILL—Apr. 11, by R. M. Dippy, archt., Medical Arts Bldg., 2 story and basement, 50 x 170 ft., rein.-con. and brick, plain foundation, Rubicon and Collom Sts., for Paragon Knitting Mills, c/o N. Wiseman, 3915 Powellon Ave.

Pa., Phila. — FACTORY — Penwood Co., archts., City Center Bldg., taking bids 2 story and basement, 52x95 ft. rein.-con. and brick, plain foundation, 1714-18 North 2nd St., for Quinn Bros., 1612 North 2nd St.

Pa., Scottdale—PLANT—See "Contracts Awarded."

Pa., Springdale — WAREHOUSE — See "Contracts Awarded."

La., Bossier — REPAIR SHOPS — See "Contracts Awarded."

Ind., Indianapolis — SHOP — See "Contracts Awarded."

Ind., Indianapolis—MANUFACTURING, etc.—C. J. Walker Mfg. Co., F. B. Ransom, mgr., 640 North West St., taking bids 4 story and basement, 150 x 218 ft., rein.-con., brick and steel plant and theatre, 2nd Ave. and West St. $500,000. Rubush & Hunter, 428 Amer. Central Life Bldg., archts.

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Buildings—Industrial (Continued)

Ind., Logansport—STORAGE—Motor Oil Co., 18th St. and Wabash R.R. tracks, taking bids 1 story and basement, 40 x 130 ft., rein.-con., brick and steel storage building. $450,000. Bevington & Williams, Pythian Bldg., Indianapolis, engrs. C. J. Horn, Citizens Trust Bldg., archt.

Mo., St. Louis—LAUNDRY—See "Contracts Awarded."

Contracts Awarded

Mass., Boston — MANUFACTURING—J. Sergerson, 107 Fairmont Ave., will build 2 story, brick, plain foundation, Hyde Park Dist. $40,000. Work will be done by separate contracts. Private plans.

Mass., Cambridge (Boston P. O.) — PAINT SHOP—Stewart Bros. Co., 27 Tudor St., 1 story, 100 x 110 ft., rein.-con., brick and steel, plain foundation, 75 Hamilton St., to F. J. Van Etten Co., 100 Boylston St., Boston. Archts. est. $45,000.

Mass., Canton—POWER STATION—Edison Electric Illuminating Co., 39 Boylston St., Boston, 1 story, brick and steel addition to Power Station 47, Revere St., to Simpson Bros. Corp., 77 Summer St., Boston. Archts. est. $40,000. Noted Mar. 24.

Mass., Dorchester (Boston P. O.) — BLACKSMITH and REPAIR SHOP—E. G. Colpitts, New England Ave., 2 story, brick, plain foundation, 18-20 New England Ave., to P. F. O'Mara, 25 Stockton St. Archts. est. $40,000.

Mass., Rutland — WOODWORKING SHOP—Central North East Sanatorium, A. Crane, doctor, will build 2 story, brick, plain foundation, Miles Rd. Work will be done by separate contracts. Bigelow, Kent & Willard Co., Park Sq. Bldg., Boston, archts. Noted Mar. 10.

Conn., Bridgeport — SUBSTATION — Connecticut Co., 185 Church St., New Haven, general contract 1 story, 40 x 85 ft., rein.-con. and brick, Congress St., to M. Durrschmidt, 100 Main St., Derby, $31,100. Noted Jan. 27.

Conn., Hartford—PLANT—Spencer Turbine Co., 484 New Park Ave., I. Spencer, pres., 1 story, 75 x 210 ft., brick, steel and concrete addition, New Park Ave., to Lawrence & Co., 43 Farmington Ave. Archts. est. $40,000. Noted Mar. 24.

N. Y., Ridgewood (sta. Brooklyn) — MILK DISTRIBUTING PLANT—Borden Farm Products Co., 2840 Atlantic Ave., Brooklyn, rein.-con., brick and steel, Center St. near Wyckoff Ave., here, to Perry Reid Co., 348 West 14th St., New York City. Archts. est. $188,000.

N. J., Elizabeth — MACHINE SHOP, POWER HOUSE, etc. — Lidgerwood Mfg. Co., 116 x 600 ft. machine shop, 100 x 220 ft. machine storage building, 2 story and basement, 62 x 107 ft. office building and 31 x 87 ft. power house, all rein.-con., brick and steel, plain foundations, here, to J. Mitchell Constr. Co., Bergen Ave., Jersey City. Archts. est. $500,000. Noted Jan. 27.

N. J., Trenton—SALES ROOM and REPAIR SHOP—N. P. Druck Motor Co., 2 story, 60 x 196 ft., brick and steel, to Karno-Smith Co., Broad St. Bank Bldg. $75,000.

Pa., Hatboro — MANUFACTURING — Roberts & Manders Stove Co., 11th St. and Washington Ave., Phila., 3 story and basement, each 66 x 199 ft., and 60 x 214 ft., also 1 story, 41 x 111 ft., rein.-con. and steel, plain foundation, here, to W. P. Cameron Eng. Co., Packard Bldg., Phila. Noted Mar. 10.

Pa., Phila.—FACTORY—Craftex Mills, Inc., Perry Bldg., 3 story and basement, 43 x 50 ft., rein.-con. and brick addition, plain foundation, Venango and Kensington Aves., to Haverstick & Bothwick, Schar Bldg.

Pa., Phila.—MANUFACTURING—P. W. Bounds, 3100 Rosehill St., will build 1 story, 100 x 258 ft., rein.-con. and brick, plain foundation, Whitehall and Godfrey Sts., by day labor. Private plans.

Pa., Phila. — FACTORY — Phila. Gear Wks., Richmond and Tioga Sts., general contract 1 story and mezzanine, 134x398 ft., rein.-con. and steel, plain foundation, Erie Ave. and G St., to A. R. Raff, 1635 Thompson St. Archts. est. $147,000.

Pa., Phila.—FACTORY—Phila. Storage Battery Co., Ontario and C Sts., 3 story and basement, 40x90 ft., and 1 story, 50x90 ft., and 50x120 ft., rein.-con. and brick addition, plain foundation, to Stewart Bros., 3526 North Orkney St. Archts. est. $91,000. Noted Mar. 10.

Pa., Phila. — MANUFACTURING — B. Linker, 204 South 7th St., will build 4 story and basement, 47 x 86 ft., brick and steel, plain foundation, 213-14 South 9th St., by day labor. $40,000. Private plans.

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Pa., Scottdale—PLANT—Amer. Sheet & Tin Plate Co., Frick Bldg., Pittsburgh, will build 1 story, 78 x 325 ft., steel and galvanized iron addition, here. $300,000. Work will be done by separate contracts. Private plans.

Pa., Springdale — WAREHOUSE — Duquesne Light Co., Phila. Co. Bldg., 6th Ave., Pittsburgh, will build 1 story, irregular shaped, brick and concrete warehouse, here. $50,000. Work will be done by separate contracts. Private plans.

Ala., Albany—PLANT—Connecticut Mills Co., Danielson, Conn., 3 story, 140 x 460 ft. tire fabric plant, here, to A. K. Adams & Co., 247 Clifton Rd., Atlanta, Ga. Engrs. est. $600,000.

Ala., Decatur—HOSIERY MILL—Cooper-Wells Co., 2 story, 100 x 200 ft., brick, 2nd Ave., to Batson & Cook, West Point, Ga., $150,000.

La., Bossier—REPAIR SHOPS—Products Tank Line Co., H. Mendel, genl. foreman, Baton Rouge, will build 1 story, rein.-con. repair shops. Work will be done by day labor. $50,000. Private plans.

O., Cleveland—FACTORY—Lang Body Co., 3088 West 106th St., 80 x 85 ft., brick and steel addition, 3088 West 106th St., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. approximately $40,000.

O., Cleveland—FACTORY—I. Fiber Co., 2359 East 67th St., 1 story, 50 x 130 ft., brick and steel, 2470 East 93rd St., to G. Pelton, 2448 Euclid Blvd. Archts. est. approximately $40,000.

O., Cleveland—MARBLE PLANT—Roy Cliff Marble Co., 4500 Euclid Ave., 2 story, 62 x 100 ft., timber, 4085 East 103rd St., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $40,000.

O., East Liverpool—FACTORY—Lauthan Mfg. Co., 2 story, 60 x 100 ft., brick addition, east end of city, to Windland Bros. Lumber Co., East Liverpool, $40,000.

O., Piqua — FACTORY — Crown-Kilisle, J. B. Spiker, pres., 3 story, 60 x 165 ft., brick and steel, incl. mill and machine room, to Green & Sawyer, Lima, approximately $65,000.

Ind., Indianapolis—SHOP—Indian Refining Co., 3516 East New York City, will build 1 story, 71 x 317 ft., brick, steel and rein.-con., incl. repair and paint shop, loading building and boiler room. $72,000. Private plans.

Ind., Lafayette—REPAIR SHOPS—Chicago, Indiana & Louisville R.R., 608 Dearborn St., Chicago, Ill., general contract 1 story, 75 x 410 ft., brick, steel and rein.-con. locomotive repair shops, here, to A. E. Kemmer, 3rd and Brown Sts. Archts. est. $300,000. Noted Mar. 3.

Ill., Chicago—FACTORY—Beardsley & Piper Co., 2541 North Keeler Ave., masonry contract 1 story, 34 x 60 ft. factory, 2627-57 North Keeler Ave., to A. S. Low, carpentry contract, to Austin Co., 160 N. LaSalle St., Archts. est. $40,000.

Ill., Rockford—PUMP MANUFACTURING PLANT and POWER HOUSE—G. D. Roper Corp., South Main St., 1 story, 170 x 170 ft. pump manufacturing plant, and 1 story, 38 x 80 ft. power house, rein.-con. and brick, South Main St., to Frank R. Chase, Inc., 720 North Michigan Ave., Chicago. Archts. est. $250,000. Noted Mar. 24.

Mo., St. Louis — LAUNDRY — Anderson Family Laundry, 4939 McPherson Ave., will build 1 and 2 story and basement, 87x89 ft., and 65x160 ft., brick and concrete addition, 4935-65 McPherson Ave. $65,000. Work will be done by separate contracts under supervision of C. H. Wray, archt., 100 Rialto Bldg. Noted Mar. 31.

Tex., San Antonio — PLANT — San Antonio Pub. Co., c/o E. H. Kifer, mgr., improving, etc., 3 and 4 lift gas holders at plant, to Stacey Mfg. Co., Elmwood St., Cincinnati, O., to exceed $75,000.

Okla., Tulsa — FACTORY — Hinderliter Tool Co., 14 North Madison St., 50 x 260 ft., machine shop, 60 x 180 ft. blacksmith shop, 30 x 50 ft. warehouse, and 60 x 60 ft. heat treating shop, brick and steel, North Peoria St., to J. R. Forner Constr. Co., 214 Ritz Bldg. Archts. est. $100,000. Noted Feb. 24.

Calif., Salinas—PLANT—Salinas Valley Canning Co., S. P. Cava, mgr., Hollister, 1 story, 120 x 500 ft. corrugated iron canning plant, here, to R. B. Williams, Hollister.

Calif., Santa Clara—PACKING PLANT —Libby, McNeil & Libbey, Merchants Exch. Bldg., San Francisco, 1 story, rein.-con., to K. E. Parker, 135 South Park St., San Francisco, $250,000. Noted Mar. 31.

Calif., San Francisco—MACHINE SHOP —Orton Machine Co., 325 Fremont St., 1 story, 60 x 92½ ft., brick, Harrison and Fremont Sts., to H. P. Hoyt, 45 2nd St.

Que., Three Rivers—MILLS—Wabasso Cotton Mills, for mills, St. Maurice St. to E. G. W. Cape & Co., 10 Cathcart St., Montreal, $200,000. Noted Mar. 24.

Ont., Staffordville—MILK FACTORY—City Dairy Co. Ltd., Spadina Crescent, Toronto, altering and constructing concrete and brick factory and dairy additions, here, to J. A. Vance, 197 Light St., Woodstock. Archts. est. $75,000.

Buildings — Educational Religious

Proposed Work

N. H., Peterboro—CHURCH—Congregational Church, c/o W. H. Brainard Associates, archts., 89 Franklin St., Boston, Mass., having sketches made altering and constructing 1 story and basement, brick and stone addition, plain foundation, here. $150,000.

Mass., Chartley — CHURCH — Chartley Methodist Church, Church Bldg. Com., plans 1 story and basement, brick and stone church. $150,000. Engineer and architect not selected.

Mass., Fall River — SYNAGOGUE and COMMUNITY HOUSE—Beth El Temple, M. Goldberg, rabbi, 57 North Main St., plans synagogue and community house. $150,000 or more. Engineer and architect not selected.

Mass., Gloucester—SCHOOL—St. Ann's Roman Catholic Church, D. Kiley, pastor, soon takes bids altering and constructing 2 story and basement, brick and stone addition, plain foundation, Essex Ave. $150,000. Phillips & Halloran, 191½ Main St., archts. Noted Sept. 30.

Mass., Lynn — SCHOOL and AUDITORIUM—Lynn Hebrew School, A. Rubin, 46 Blossom St., plans 2 story and basement, brick and stone, plain foundation. $150,000. Engineer and architect not selected.

Mass., North Adams — SCHOOL — St. Francis' Roman Catholic Church. E. F. Danphy, pastor, 75 Eagle St., plans high and parochial school. To exceed $150,000. Engineer and architect not selected.

Mass., Quincy (Boston P. O.) — HIGH SCHOOL — City, c/o W. Chapman, archt., 15 Ashburton Pl., Boston, having sketches made 2 story and basement, brick and stone addition to Junior High School, plain foundation. $275,000. Noted Mar. 24.

Mass., Roxbury (br. Boston)—SCHOOL—City of Boston, Schoolhouse Dept., had plans prepared by C. R. Greco, 11 Beacon St., Boston, 3 story and basement, irregular shaped brick and limestone, plain foundation, Kearsarge St., here. $1,200,000.

Mass., West Roxbury (Boston P. O.) — SCHOOL — City of Boston, Schoolhouse Dept., having preliminary plans prepared by M. A. Dyer Co., 1 Beacon St., Boston, 2 story and basement, brick and limestone, plain foundation, Robert Gould Shaw Dist., here. $225,000.

Mass., West Roxbury (br. Boston) — CHAPEL—Pride of Jacob, c/o Krokyn, Browne & Rosenstein, archts., 220 Devonshire St., Boston, having preliminary plans prepared 1 story and basement, probably stone and marble, here. $150,000.

Conn., Hartford—SCHOOL—City, H. U. Tuttle, chn., having plans prepared by I. A. Allen, Jr., 100 Farmington Ave., 12 room, brick and steel, incl. gymnasium and auditorium, Vine St. $300,000.

N. J., Bayonne—CHURCH—St. Vincent De Pauls Roman Catholic Church having revised plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 1 story and basement, 65 x 175 ft. granite and limestone, plain foundation, here. $150,000. Former bids rejected. Noted Feb. 3.

N. J., Ridgewood—SCHOOL—Bd. Educ. takes bids about Apr. 6, 1 story, 120 x 140 ft., brick and steel, plain foundation, Morningside Ave. $150,000. Fanning & Shaw, 49 Ward St., Paterson, archt.

Md., Baltimore—LIBRARY—Johns Hopkins University, St. Charles Ave., Homewood, having plans prepared by E. L. Tilton, 141 East 45th St., New York City, 3 story, 76 x 140 ft., rein.-con., brick and steel, plain foundation, Wolfe and Monument Sts. $500,000.

Miss., Corinth—SCHOOL—Election soon $200,000 bonds, rein.-con., brick and stone school, for Bd. Educ.

Buildings—Educational, Religious (Cont.)

Miss., Jackson — CHURCH — Calvary Baptist Church, H. M. King, pastor, takes bids in May, 3 story, rein.-con., brick, stone and tile, Capitol St. $300,000. R. H. Hunt & Co., James Bldg., Chattanooga, Tenn., archts.

La., Baton Rouge — GYMNASIUM and ARMORY—Louisiana State University, rejected bids Mar. 2, 3 story and basement, brick and rein.-con. gymnasium and armory. $350,000. Wogan & Bernard, Raymond Bldg., archts. Will readvertise. Noted Feb. 17.

Ind., Greencastle — CHURCH—Methodist Congregation, A. Taylor, pastor, 2157 Park Ave., Indianapolis, having plans prepared by A. Grindle, Bloomington, church, here. $300,000.

Ind., Oakland City—HIGH SCHOOL—School Trustees having plans prepared by H. Boyle & Co., Furniture Bldg., Evansville, 2 story and basement, 175 x 200 ft., brick and steel high school. $150,000.

Ill., Oak Park—CHURCH—First Baptist Church having plans prepared by Roberts & Roberts, 105 North Clark St., Chicago, 3 story, rein.-con. and brick, Oak Park and Grove Aves. $300,000.

Ill., Vandalia — HIGH SCHOOL — Bd. Educ. having preliminary plans prepared 3 story, rein.-con., brick and stone high school. $150,000.

Wis., Whitefish Bay—SCHOOL—School Dist. 1 having plans prepared by M. Tullgren & Sons Co., 9 Waverly Pl., Milwaukee, school, here. $300,000.

Minn., Virginia—HIGH SCHOOL—Bd. Educ. takes bids (extended date) about May 1, Junior High School, 2 story, 180 x 300 ft., rein.-con., brick and stone, plain foundation. $750,000. E. H. Berg, Eveleth, archt. Noted Feb. 3.

Minn., Winona — SCHOOL — Bd. Educ. having plans prepared by W. B. Ittner, Inc., 911 Locust St., St. Louis, Mo., probably 2 story and basement, rein.-con. and brick addition, here. $200,000.

Kan., Independence — CHURCH — First Presbyterian Congregation, C. A. Smith, chn. Building Com., plans church. $150,000.

S. D., Yankton — AUDITORIUM and GYMNASIUM—Yankton College plans approximately 115 x 115 ft. auditorium and gymnasium with balcony, etc.

Mo., Kansas City — MONASTERY — Catholic Sisters of Notre Dame DeSion, 24 East Armour Blvd., having revised plans prepared by Wilkinson & Crans, Interstate Bldg., rein.-con. monastery. $350,000. Noted Feb. 10.

Mo., St. Louis — CHURCH — St. Paul Amer. Methodist Episcopal Congregation, c/o N. W. Williams, pastor, 15 North Leffingwell Ave., having preliminary plans prepared by F. J. Robertson & Son, 13 North Jefferson Ave., 2 story and basement, 86 x 126 ft., rein.-con., brick and stone, 3531-33 Lawton Ave. $250,000.

Mo., Sedalia — SCHOOLS — Defeated $400,000 bonds, constructing 4 new and remodeling school buildings, for Bd. Educ. Noted Mar. 3.

Ark., Batesville — COLLEGE — Presbyterian College, E. B. Tucker, pres., plans 2 and 3 story, rein.-con., brick and stone administration, dormitory and gymnasium buildings. $750,000. Engineer and architect not announced.

Okla., Goodwell—COLLEGE—State Bd. Affairs, Capitol Bldg., Oklahoma City, having plans prepared by J. Hicks, 145 East 14th St., 2 story and basement, 86 x 170 ft., rein.-con. and brick science and agricultural building, plain foundation, on campus. $175,000.

Okla., Hennessey — HIGH SCHOOL — Election Apr. 12, $150,000 bonds, 2 story and basement, 70 x 160 ft., rein.-con. and brick, plain foundation, Grand St., for Bd. Educ. R. W. Shaw, Enid, archt.

Okla., Okmulgee—HIGH SCHOOL—Bd. Educ. having plans prepared by Smith & Senter, Okmulgee, 3 story and basement, rein.-con. and brick, plain foundation, Cherokee St. $250,000 bonds voted. Noted Mar. 10.

Okla., Seminole—SCHOOL—Bd. Educ. having preliminary plans prepared 2 story and basement, 80 x 175 ft., rein.-con. and brick, plain foundation, Evans St. $175,000. J. N. Harber, mayor. Engineer and architect not selected.

Okla., Shawnee—CHURCH—First Baptist Church having preliminary plans prepared rein.-con. and brick church, plain foundation, Draper St. $175,000. D. S. Brinkley, pres. Engineer and architect not selected.

Okla., Shawnee — SCHOOL — Bd. Educ. having preliminary plans prepared Senior High School, rein.-con. and brick, plain foundation, Durland St. $200,000. C. Hawk, mayor, Engineer and architect not selected.

Calif., Oxnard—SCHOOL—District to be formed plans election $300,000 bonds, Junior High School.

Calif., Pomona—ACADEMY—Sisters of Academy of Holy Name having plans prepared by P. K. Schabarum, 409 Equitable Bldg., Los Angeles, brick and rein.-con. buildings, Holt Ave. To exceed $150,000.

Calif., Stockton—HIGH SCHOOL—Calaveras Union High School Dist., having preliminary plans prepared by Mayo, Bissell & Co., 21 South San Joaquin St., high school, incl. gymnasium, auditorium and classroom building.

Calif., Wilmington—CHURCH—Calvary Presbyterian Church, c/o N. F. Marsh & Co., archts., Bway. Central Bldg., Los Angeles, plans fireproof church. $150,000.

Que., Chicoutimi — COLLEGE — Roman Catholic Church, M. T. Labruque, bishop mgr., plans college. $150,000. Engineer and architects names withheld.

Bids Desired

Me., Portland—SCHOOL—Sacred Heart Roman Catholic Parish, J. Gary, pastor, taking bids 2 story and basement, brick and stone, Sherman and Mellen Sts. $150,000. J. J. O'Shaughnessey, 9 Park St., Boston, Mass., archt. Noted Mar. 31.

Mass., Braintree—CHAPEL—St. Francis Parish, W. H. Walsh, 856 Washington St., Boston, pastor, taking bids 1 story and basement, brick, stone and granite, plain foundation, Elm St. and Hawthorne Rd. $150,000. W. B. Colleary, 80 Boylston St., Boston, archt. Noted Mar. 3.

Mass., Harwich—SCHOOL—Apr. 15, by W. T. Littlefield, archt., 9 Hamilton Pl., Boston, 2 story and basement, brick and stone addition, plain foundation, for Town, Bd. Educ. $150,000. Former bids rejected.

Mass., Lowell — CHURCH — St. Jeanne D'Arc Church, A. La Mothe, pastor, 135 4th St., taking new bids 2 story and basement, 115 x 180 ft., brick and stone, plain foundation, Pawtucketville Sect. To exceed $150,000. Former bids rejected. W. A. Fontaine, 285 Main St., Woonsocket, R. I., archt. Noted Mar. 17.

Mass., Woburn—CHURCH—St. Charles Parish, J. P. Gorham, pastor, taking bids altering and constructing 1 story and basement, brick and stone addition, plain foundation. $150,000. W. B. Colleary, 89 Boylston St., Boston, archt. Noted Dec. 30.

R. I., East Greenwich—SCHOOL—Apr. 12, by Town, J. D. Miner, chn. Bd., 2 story and basement, brick and steel, 1st Ave. $250,000. W. Walker & Sons, 49 Weybosset St., Providence, archts. Noted Mar. 17.

N. Y., Binghamton—SCHOOL—Apr. 13, by Bd. Educ., Franklin School, brick, steel and stone, plain foundation. $500,000. Conrad & Cummings, Phelps Bldg., archts. W. W. Chapin, 259 Park Ave., New York City, engr. Noted Jan. 27.

N. Y., Syracuse — GYMNASIUM — Apr. 18, by Bd. Contr. & Supply, 2 story and basement, 120 x 120 ft., rein.-con. and steel, plain foundation, 210 Pond St. $150,000. Randall & Vedder, S. A. & K. Bldg., archts. N. F. Pitts, Jr., City Hall, engr. Noted Feb. 17.

N. J., Lakewood—DORMITORY—J. W. O'Connor, archt., 162 East 37th St., New York City, taking bids general contract 3 story, 100 x 125 ft., brick, plain foundation, for Newman School, Lake Dr. here.

Pa., North Braddock (Braddock P. O.)—SCHOOL—Apr. 12, by Bd. Educ., 2 story and basement, irregular shaped, brick and steel school, here. $250,000. Carlisle & Sharrer, Martin Bldg., Pittsburgh, archts. Noted Oct. 7.

Miss., Natchez—HIGH SCHOOL—Apr. 28, by Bd. Educ., W. H. Braden, secy., 2 story, 186 x 200 ft., concrete and brick high school. $200,000. P. J. Krouse, M. & W. Bldg., Meridian, archts. Noted Mar. 17.

O., Cincinnati—SCHOOL—Apr. 11, by Bd. Educ., Denton Bldg., 3 story and basement, brick and rein.-con., plain foundation, Montgomery Park. $150,000. R. E. Hunt, Temple Bar Bldg., archt.

Ind., Delphi — HIGH SCHOOL — School Comrs., C. C. McFarland, pres., taking bids brick, steel and rein.-con. high school. $150,000. O. P. Gordon, Greenfield, archt. Noted Mar. 17.

Ind., South Bend — SCHOOL — Lady of Hungary Church, G. Gyorfy, pastor, 829 West Calvert St., taking bids 2 story and basement, 90 x 125 ft., rein.-con. and brick school. $150,000. J. Bruck, Kentland, archt.

Mich., Blissfield—SCHOOL—Apr. 11, by W. Beitelshees, secy. Bd. Educ., and Lane, Davenport & Peterson, archts., 1017-21 Charlevoix Bldg., Detroit, 2 story and basement, rein.-con., brick an steel addition, plain foundation. $150,000.

Wis., Grafton — SCHOOL — Apr. 14 by Jefferson School Dist. 1, 2 story and basement, 40 x 60 ft., and 80 x 80 ft., brick school, plain foundation, Broad and West Sts. M. Tullgren & Sons Co., 9 Waverly Pl., Milwaukee, archts.

Kan., Chanute—HIGH SCHOOLS, etc.—Apr. 11, by Bd. Educ., 100 x 150 ft. addition to Senior High School, and 56 x 87 ft. addition to Junior High School, also 68 x 106 ft. shop building, all 2 story, rein.-con. and brick. $200,000. T. W. Williamson & Co., Central Natl. Bank Bldg., Topeka, archts. Noted Mar. 24.

Kan., Ottawa—SCHOOL—Apr. 20, by Bd. Educ., Junior High School, 3 story and basement, 96 x 145 ft., rein.-con., brick and stone. $210,000. Washburn & Stookey, 222 South Main St., Ottawa, archts. Noted June 17.

Wash., Bellingham—SCHOOL—Apr. 13, by Bebb & Gould, archts., Denny Bldg., Seattle, 2 story and basement, 146 x 154 ft., rein.-con., brick and cast stone school, here, for Washington State Normal, Seattle. $250,000.

Calif., El Segundo—ADMINISTRATION—Trustees El Segundo High School Dist., taking bids 2 story, 198 x 246 ft., concrete and brick, incl. auditorium. $175,000 or more. Rea & Garstang, Pacific Southwest Bldg., Los Angeles, archts. Noted Nov. 26.

Calif., Pasadena — CHURCH — Westminster Presbyterian Church, taking bids 5 story with tower 150 ft. high, 150 x 150 ft., rein.-con., incl. auditorium, 1,600 seating capacity, Lake Ave. and Woodbury Rd. $300,000. Marston, Van Pelt, Maybury, 25 South Euclid Ave., archts.

Calif., Pasadena—CHURCH—Marston, Van Pelt & Maybury, 25 South Euclid Ave., taking bids 150 x 150 ft., rein.-con., incl. auditorium, 1,600 seating capacity, Lake Ave., for Westminster Presbyterian Church. $150,000. Noted Nov. 18.

Calif., Sacramento—CHURCH—Dean & Dean, archts., City Library Bldg., taking bids rein.-con. church, 13th and N Sts., for Westminster Presbyterian Church. $200,000 or more. Noted Jan. 6.

B. C., Point Gray—COLLEGE—Apr. 8, by Sharp & Thompson, archts., 108 London Bldg., 3 story, 36 x 136 ft., rein.-con., stone, tile, granite and stucco, University site, for Angelican Church, c/o architects. $150,000.

Contracts Awarded

Me., Hebron — DORMITORY — Hebron Academy, F. O. Stanley, pres., 4 story and basement, brick and steel, to Brown & Berry, Inc., 22 Monument Sq., Portland. Archts. est. $200,000. Noted Mar. 31.

N. H., Manchester—ART GALLERY—Currier Art Gallery, for art gallery, to L. H. Shattuck, Inc., 208 Granite St. Noted Mar. 3.

Conn., Winsted—SCHOOL—Town, S. T. Clifton, chn., 2 story and basement, brick and stone, plain foundation, Wetmore Ave. and Elm St., to J. F. Carey Co., 69 Gray St., $188,553. Noted Mar. 24.

N. Y., Allegheny — DORMITORY — St. Bonaventure College, 5 story, 34x410 ft., brick and steel, plain foundation, to Havens Constr. Co., 115½ West State St., Olean. Archts. est. $450,000.

N. Y., New York—HIGH SCHOOL—Bd. Educ., 500 Park Ave., general contract DeWitt Clinton High School, Mosholu Parkway, to Gibbs Rice Co., Inc., 606 1st Ave., $2,572,000. Noted Mar. 3.

N. Y., St. Albans (mail Jamaica)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 136, here, to Lane Ogle, Inc., 29 Bway., New York City, $429,000; heating, to D. J. Rice, Inc., 606 1st Ave., New York City, $67,723. Noted Mar. 10.

N. Y., Williamsville—CONVENT—Sisters of St. Francis, Pine St., Buffalo, 3 story and basement, brick and steel, plain foundation, here, to G. W. Butler, 408 Pearl St., $400,000, cost plus percentage basis.

Pa., Pittsburgh—SCHOOL—St. Lawrence Roman Catholic Congregation, Penn Ave., general contract 1 and 2 story and basement, irregular shaped addition, to Duquesne Constr. Co., Cypress and Aspin Sts. Archts. est. $150,000.

Miss., Moorehead—ADMINISTRATION—C. T. Bookout, pres. Bd. Trustees Sunflower Country Agricultural School & Junior College, 2 story administration building, to Harvey Lumber Co., Moorehead, $52,746. Noted Mar. 3.

La., Ruston — ADMINISTRATION — Louisiana Polytechnic Institute, administration building, 1 story, 60 x 161 ft., brick and concrete addition to teachers' training building and altering girls' gymnasium and new library, all to H. Cleveland, Shreveport, $93,532. Noted Feb. 17.

O., Ashville — GRADE and HIGH SCHOOL—Bd. Educ., Ashland, G. D. Griffith, clk., and Harrison Twp., H. S. Hay, clk., general contract 2 story and basement, 95 x 220 ft., brick and concrete, incl. gym-

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Buildings—Educational, Religious (Cont.)

nasium, on school site, here, to J. A. Huston, Lancaster, $107,140. Noted Mar. 3.

O., Columbus — CHEMISTRY — C. E. Steeb, secy. Bd. Trustees Ohio State University, 4 story and basement, 60 x 160 ft., brick and rein.-con., on campus, to C. Elford & Son, 555 North Park St., $210,000; heating and plumbing, to Elsiwein Heating & Plumbing Co., Columbus, $47,386. Noted Mar. 10.

O., Dennison — HIGH SCHOOL — Bd. Educ., brick, steel and concrete high school, to A. F. Wendling Co., Massillon. Archts. est. $270,000. Noted Mar. 24.

O., Ohio City — HIGH and GRADE SCHOOL — Bd. Educ., Ohio City Liberty School Dist., A. E. Dull, clk., 2 story and basement, 67 x 190 ft., and 69 x 70 ft., brick and steel, to J. Baldauf & Son, Marion, $133,132.

O., Versailles—SCHOOL—A. Wilson, clk. Bd. Educ., general contract 2 story and basement, brick and concrete, plain foundation, to A. R. Hunnicut, Union City, Ind., $116,000. Noted Feb. 17.

Ill., Glen Ellyn—CHURCH—Holmes & Flynn, archts., 8 South Dearborn St., Chicago, general contract 2 story, 50 x 125 ft., brick and stone here, to E. L. Archibald & Co., 111 West Washington St., Chicago, for First Congregational Church, here. Noted Oct. 21.

Wash., Seattle — PHYSICAL EDUCATION — Bd. Regents University of Washington, 2 story and basement, 140 x 225 ft., rein.-con., brick and steel physical education building, incl. gymnasium, etc., on campus, to Henrikson Alstrom Constr. Co., Seaboard Bldg., $398,450. Noted Dec. 16.

Calif., San Francisco—HIGH SCHOOL—Bd. Pub. Wks., general contract Portola Jr. High School, Burrows and Goettingen Sts., to O. Monson, 251 Kearny St., $342,760; mechanical equipment, to Scott Co., 243 Minna St., $26,569. Noted Feb. 17.

Calif., San Jose—SCHOOL—Notre Dame Convent, 3 story and basement, rein.-con., Reed St. near 2nd St., to H. C. Miller, 2450 Seminary Ave., Oakland, approximately $160,500. Noted Sept. 2.

Calif., San Pedro—HIGH SCHOOL—Los Angeles Bd. Educ., for Richard Henry Dana Jr. High School, 3 story, 200 x 271 ft., rein.-con., incl. auditorium, here, to J. F. Kobler, 932 South Rimpau Blvd., Los Angeles, $341,959; plumbing, to T. Haverty Co., 8th and Maple Sts., Los Angeles, $25,574; heating and ventilating to Pacific Pipe & Supply Co., 1002 Santa Fe Ave., Los Angeles, $32,441. Grand total $399,974. Noted Mar. 17.

Calif., Santa Barbara—ADMINISTRATION—State Dept. Pub. Wks., general contract rein.-con. administration building in connection with State Teachers College, to MacDonald & Driver, Bd. of Trade Bldg., Los Angeles, $114,842. Noted Feb. 17.

Federal Government Work

Bids Desired

Mass., Bedford—Deep Wells—Apr. 26, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., drilling deep wells, at U. S. Veterans Hospital, here.

Mass., Chelsea (br. Boston)—Steel Posts—Apr. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., wire fence with concrete foundations, steel posts, rails, braces, etc. at Naval Hospital, here. L. E. Gregory, ch. of Bureau.

Mass., Leominster—Post Office—May 10, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here; adv. E. N.-R. Apr. 7.

Mass., Newburyport—Post Office—Apr. 29, by Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story and basement, brick, steel and stone, Pleasant and Green Sts., here. Noted Dec. 30.

D. C., Wash. — Fish Oil — Apr. 12, by Dept. Agriculture, 7,000 gal. light presser fish oil (Menhaden) for West Pittsfield, Mass., and Bound Brook, N. J.

N. C., Fort Bragg—Barracks—Apr. 30, at office Constructing Quartermaster, standard barracks building, here; adv. E. N.-R. Apr. 7.

O., La Carne—Barracks—May 3, at office Constructing Quartermaster, Erie Ordnance Depot, constructing one barrack building; adv. E. N.-R. Apr. 7.

Wis., Milwaukee—Breakwater—May 3, by U. S. Engineer Office, 2,725 lin.ft. concrete caisson breakwater at Milwaukee Harbor, here; adv. E. N.-R. Apr. 7.

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Ark., North Little Rock (Ind. br. Little Rock)—Water Softening Plant—May 3, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing addition to pump house, and installing water softening plant, at U. S. Veterans Hospital 78, here.

Tex., Fort Sam Houston (Sta. San Antonio)—Equipment—Apr. 15, by Quartermaster, centrifugal pumps, electric motors, switchboard, electrical accessories, etc., for pumping plant. $18,000.

California—Road—Apr. 20, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading, etc. 2.93 mi. road between Pacific Station and Riverton, Eldorado Co.

Calif., San Francisco—Refrigerating Machine—Constructing Quartermaster, Fort Mason, taking bids 5 ton refrigerating machine for Fort McDowell. Noted Mar. 3.

T. H., Fort Shafter—Wards—Apr. 21, by Construction Division, Quartermaster Dept., constructing 3 hospital wards, extending 2 wards, etc.

Contracts Awarded

Mass., Bedford—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., refrigerating equipment for dining hall for proposed U. S. Veterans Hospital, here, to Hines Mfg. Co., 418 St. Charles St., Baltimore, Md., $22,000; and in infirmary, to Bay State Constr. & Supply Co., 200 Causeway St., Boston, $7,800. Noted Mar. 31.

N. Y., Northport — Deep Well — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., deep well, to Virginia Mchy. & Well Co., 1319 East Main St., Richmond, Va. Noted Feb. 17.

N. Y., Yonkers—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., U. S. Post Office, here, to Agostini Bros., Arcade Bldg., Norfolk, Va., $464,548. Noted Mar. 3.

N. J., Montclair — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to Heaphy & Little, 290 8th Ave., New York City, $142,800. Noted Mar. 31.

Pa., Pittsburgh—Gates—U. S. Engineer Office, 3 rolling lock gates for Ohio River, to Independent Bridge Co., Neville Island, Pittsburgh, $83,840. Noted Feb. 17.

Ky., Louisville—Cement—U. S. Engineer Office, 48,000 bbl. portland cement, to Marquette Cement Mfg. Co., 6639 East Marquette Rd., Chicago, Ill., $111,098. Noted Feb. 17.

Wis., Milwaukee—Cement, etc.—U. S. Engineers Office, 23,500 bbl. portland cement, to Petoskey Portland Cement Co., Petoskey, Mich., $47,000; sand and gravel, to Constr. Material Co., 133 West Washington St., Chicago, Ill., $42,300; and steel reinforcing bars, to Inland Steel Co., 43rd and Burnham Sts., $23,494. Noted Mar. 17.

Mont., Missoula — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., constructing post office, here, to W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $158,700. Noted Jan. 27.

Mo., St. Louis—Barges—U. S. Engineer Office, 428 Customhouse, 20 small steel barges, to Howard Ship Yards & Dock Co., Jeffersonville, Ind., $47,000 (125 days). Noted Mar. 17.

Wash., Easton—Canal—Bureau Reclamation, Ellensburg, Schedule 1, Kittitas Main Canal, Div. 2, to General Contr. Co., Spokane Savings & Loan Bldg., Spokane, $354,806; and Schedule 2, to S. H. Newell & Co., Portland, Ore., $217,949. Noted Mar. 3.

Unclassified

Proposed Work

Playground—Boston, Mass.—City Dept. Pub. Wks., plans approximately 12,500 sq.ft. playground, Cedar and Beech Sts., West Roxbury, $30,000; also approximately 10,000 sq.ft. playground, Elm St., Roxbury. J. H. Sullivan, comr.

Playground — West Roxbury (Boston P. O.—**Mass.**—City, Dept. Pub. Wks., Boston, plans playground, Centre St., here. $25,000. J. H. Sullivan, comr.

Power House Equipment—Brooklyn, N. Y.—See "Buildings—Industrial."

Grade Crossing Elimination — Carman, N. Y.—New York Central R.R. Co., 446 Lexington Ave., New York City, F. B. Freeman, ch. engr., plans raising County Highway 677 over main tracks railroad and Schenectady detour; and constructing 5 span 255 ft. through plate girder bridge over Chrisler Ave., here. $214,000.

Stadium — Asbury Park, N. J. — City Comn. making plans school stadium. $150,000. G. Hadden, 280 Madison Ave., New York City, archt. Noted June 17.

Stadium—Biloxi, Miss.—Biloxi Chamber Commerce, c/o Secretary, making preliminary plans rein.-con. stadium, 1,800 seating capacity, $31,000.

Gas and Electric Lines—Kewanee, Ill.—Kewanee Pub. Serv. Co., S. M. Cox, engr., plans improvements and extensions to electric distribution service, $40,000; and to gas system, $70,000.

River Terminal—Burlington, Ia.—Dock Comn. plans river terminal incl. dock, $200,000. E. F. Phillips, mayor.

Culvert—Pine Bluff, Ark.—See "Streets and Roads."

Pipe Line—Texas and Colorado—Empire Gas Co., c/o R. R. Straight, Bartlesville, Okla., made plans, etc., 20 in. natural gas pipe line from Amarillo, Tex., to Denver, Colo. $17,000,000. Private plans.

Mining Development — El Paso, Tex.—Caballos Development & Mining Co., 402 Republic Bldg., c/o V. Ochoa, N. D. Myer, H. L. Birney, et al, making surveys, etc., mining development, near here. $300,000. Private plans. Will purchase large amount mining machinery.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City making surveys 12 mi. 33,000 volt transmission line from Earlsboro to Bowlegs Oil fields, via Maud. $40,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Lighting System — Ada, Okla.—See "Sewers."

Oil Pump Station—Seminole, Okla.—Oklahoma Pipe Line Co., Tulsa, made plans new pump station at oil fields, here. $100,000. Private plans.

Fairgrounds, Park, etc.—Wewoka, Okla.—Election soon $25,000 bonds, fairgrounds, city park and athletic field. D. R. Fraser, city clk.

Lighting System — Alhambra, Calif. — Plans ornamental lighting system on Norwood Pl., Glendon Way and Front St., etc. To exceed $25,000. O. N. Rugen, acting city engr.

Lighting System—Culver City, Calif.—Plans ornamental lighting system on Tuller, Globe and Huntley Aves., etc. between Washington Blvd. and Barman Ave. $25,000 or more.

Lighting System—Glendale, Calif.—Plans ornamental lighting system in East Bway. $25,000 or more.

Ornamental Lighting System—La Verne, Calif.—Plans ornamental lighting system on 3rd and 4th Sts. between city limits. To exceed $25,000.

Lighting System—Long Beach, Calif.—H. C. Waup, city clk., plans ornamental lighting system on 1st St., etc. To exceed $25,000.

Lighting System—Los Angeles, Calif.—Plans ornamental lighting system on portions Lorraine Blvd., Franklin, Pacific and Westmoreland Aves., etc. To exceed $25,000.

Wharves, Docks, etc.—Stockton, Calif.—Western Pacific R.R. Co., J. W. Williams, ch. engr., Mills Bldg., San Francisco, plans constructing wharves, docks and branch lines in delta region, here. $500,000.

Garbage Loading Wharf, etc.—San Francisco, Calif.—City and San Francisco Co. making estimates, pier foot of Ingalls St. in India Basin, approximately $94,500, wharf crane and other equipment $43,947. M. M. O'Shaughnessy, city engr.

Distribution System — Chatham, Ont. — Windsor Gas Co., 129 Chatham St., plans extending gas distribution system. $100,000.

Paving Plant—Fort William, Ont.—City Council plans purchasing asphalt paving plant. C. B. Symes, City Hall, engr.

Transformers—Ontario—Hydro - Electric Power Comn. of Ontario, 190 University Ave., Toronto, making plans increasing transformer capacity at Thorold, Welland, London, Preston, Stratford, St. Mary's, St. Thomas, Brant, Guelph, Hamilton and Toronto. $1,500,000. F. A. Gaby, 190 University Ave., Toronto, engr.

Transmission Line — Ontario — Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, soon takes bids approximately 230 mi. 220,000 volt galvanized steel tower transmission line, to carry 260,000 hp. conductors, cables, insulators, etc. from Chats Falls, Ottawa Dist., to Toronto. $5,000,000. F. A. Gaby, 190 University Ave., Toronto, engr.

Bids Desired

Tracks, etc.—Brooklyn, N. Y.—Apr. 15, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, installing tracks, etc. for part Coney Island Yard and its West End Line connection, here.

Elevated Road—Long Island City, N. Y.—Apr. 15, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, constructing portion elevated railroad in Roosevelt Ave., east of Willet's Point Blvd., Queens Boro, Agreement "E.V."

Unclassified (Continued)

Miscellaneous Construction—New York, N. Y.—Apr. 15, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., miscellaneous construction work in yards Rapid Transit R.R. in Bronx and Manhattan Boros, Agreement "FL."

Golf House—Richmond Hill (Ind. br. Jamaica), **N. Y.**—Apr. 12, by F. D. Gallatin, pres. Park Bd., Park Dept., Arsenal Bldg., Central Park, New York City, golf house and comfort station, in Forest Park, Queens Boro.

Steam Distribution System—Danville, Pa.—Apr. 14, by F. M. Sprout, chn. building com. State Hospital, steam distribution system, 2 new boilers, engines, also extending return, and high pressure mains, etc., in new power house. S. A. Jellett Co., 1200 Locust St., Phila., engrs.

Signal Lights, etc.—Wilmington, Del.—Apr. 12, by Levy Court New Castle Co., traffic signal lights, River Front Bridge over Christiana River; and operating motor, controller and gearing, 7th St. bridge over Brandywine Creek, both in Wilmington Hundred. C. E. Grubb, Wilmington, engr.

Comfort Stations—Wash., D. C.—Apr. 13, by Pub. Buildings & Pub. Parks, 2 public comfort stations, under east terrace Lincoln Memorial, West Potomac Park, here. Noted Mar. 31.

Land Development—Myrtle Beach, S. C.—Apr. 14 (extended date), by Myrtle Beach Sales Co., clearing golf course, hard surfacing streets, sewers, sidewalks, waterworks, etc. S. H. Wright, Myrtle Beach, consult. engr. Noted Mar. 24.

Gasoline Engine and Generator—Berea, O.—Apr. 18, by H. D. Banks, clk. Bd. Trustees Pub. Affairs, internal combustion commercial type gasoline motor and direct connected 50 to 60 k.w. alternating current, 60 cycle, 3 phase, 2,300 volt generator with direct connected exciter on single base plate. C. Champe, Toledo, civil engr; adv. E. N.-R. Apr. 7.

Land Development—Cleveland, O.—Apr. 18, by Bd. Educ., F. G. Hogen, dir., grading, seeding, sodding, walks, masonry, etc. at Charles Dickens, William Rainey Harper and Oliver Hazard Perry Schools.

Golf Course, etc.—Steger, Ill.—See "Contracts Awarded".

Culverts, etc.—Denison, Ia.—Apr. 12, at office Auditor Crawford Co., 13 culverts and extensions and one 80 x 24 ft. plate girder bridge with two 40 x 24 ft. concrete deck girder approaches. W. J. Wearmouth, Denison, co. engr.

Coaling Station—Kansas and Missouri—Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., taking bids and opens same about Apr. 15, 450 ton capacity electrically operated coaling station, rein.-con., and 100 ton capacity auxiliary station at Osswatomie, Kan.; also taking bids and opens same Apr. 8, 110 ft. rein.-con. 2 track bridge over Des Peres River at St. Louis, Mo.

Block Signal System — Arkansas and Tennessee — Apr. 19, by Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., complete automatic block signal system between North Little Rock, Ark., Bald Knob, Ark. and to Memphis, Tenn., also from Little Rock, Ark., to Benton and Hot Springs, Ark. $1,000,000.

Stadium—Grand Forks, N. D.—Apr. 15, by University Memorial Corp., P. L. Samuelson, secy. University of North Dakota, rein-con. and brick stadium, 15,000 seating capacity, on campus. $300,000. T. B. Wells, Grand Forks, associated archt. Noted Feb. 17.

Aerial Lines and Cables — Webster Groves, Mo.—See "Contracts Awarded."

Cable and Wire Extensions—Little Rock, Ark.—See "Contracts Awarded."

Land Development—Abilene, Tex.—H. O. Wooten taking bids developing 89 acre subdivision, incl. waterworks, sewers, paving, etc. $100,000 or more. Private plans.

Fire Alarm Box Circuits—Toronto, Ont.—Apr. 19, by T. Foster, mayor, City Hall, 10 additional fire alarm box circuits. $25,000.

Contracts Awarded

Coal Pocket—New Haven, Conn.—New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., 65 x 110 ft. coal pocket, 150 ft. high, concrete and steel, on Lyman St., to Roberts & Schaefer, 400 North Michigan Ave., Chicago, Ill. Engrs. est. $125,000. Noted Jan. 6.

Borings—New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, land and river borings, Newton Creek Crossing, Manhattan and Jackson Aves. from Greenpoint Ave., Brooklyn to Crane St., Queens, Agreement "FK," to Standard Drilling Co., 300 Madison Ave., New York City, $9,404; and in Harlem River Crossing West 150th St. and St. Nicholas Pl., Manhattan to River Ave. and East 161st St., Bronx, Agreement "FJ," to Sprague & Henwood, Inc., 32 Pearl St., New York City, $10,387. Noted Mar. 17.

Underpass—Pratt City (br. Ensley), **Ala.**—Concrete underpass on extension of Ave. U, Ensley, northward from Balkhead Highway, Hibernian Ave., here, to Tennessee Cast Iron R.R. Co., B-M Bldg., Birmingham. Engrs. est. $25,000.

Gas Distributing System—Vidalia, La.—City, natural gas distribution system (supply being taken from main line Interstate Natural Gas Co.), to David Stewart & Associates, Natchez, Miss., $20,000. Noted Dec. 16.

Terminal — Michigan City, Ind. — Shore Line Motor Coach Co., 72 West Adams St., Chicago, Ill., general contract 1 story, 176 x 250 ft., brick and steel, to J. H. Lorenz Co., Gary. Archts. est. $200,000.

Foundation — Detroit, Mich. — Murphy Estate, Penobscot Bldg., underpinning, foundation and excavation work for 47 story Penobscot Tower Building, Fort and Griswold Sts., to Walbridge-Aldinger Co., 2356 Penobscot Bldg. Noted Mar. 10 under "Buildings—Commercial."

Golf Course, etc.—Steger, Ill.—Lincolnshire Country Club will build four 18 hole golf courses, club house, 40 acre artificial lake, and 30 mi. streets, by day labor. $750,000. Amer. Park Builders, 201 East Ontario St., Chicago, archts.

Storage Tanks—Wichita, Kan.—Kansas Milling Co., 715 East 13th St., twenty 60 x 205 ft., concrete storage tanks, 65 ft. high, to J. T. Dowell, Denver, Colo., approximately $84,000.

Cable and Wire Extensions—Little Rock, Ark.—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., will construct 30,000 ft. aerial cable, 20,000 ft. aerial wire and 9,000 ft. underground cable, here, by own forces. $45,000. Private plans.

Subway—St. Joseph, Mo.—See "Bridges."

Aerial Lines and Cables — Webster Groves, Mo.—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, will extend aerial lines, incl. 475 poles and 13 mi. aerial cables, also approximately 3 mi. underground cables, etc. $98,000. Work will be done by day labor.

White Way System—Plainview, Tex.—City, white way system on various streets, to Texas Utilities Co., 408 Pine St., St. Louis, Mo., approximately $25,000.

Lighting System—Long Beach, Calif.—Ornamental lighting system on Pacific Ave. between Anaheim St. and Ocean Blvd., to G. W. Paulson, 603 North Alpine St., Beverly Hills, $57,547.

Landing Pier—Cap de la Madeleine, Que.—Pub. Wks. Dept., Ottawa, Ont., crib landing pier here, to Munn & Shaw, Montreal, $111,000. Engrs. est. $110,000.

Gateway — Toronto, Ont. — City, general contract gateway in connection with new Strachan Ave. entrance to Canadian Natl. Exhibition, to Sullivan & Fried, 81 Victoria St.; plumbing, to Robert Long & Son, 243 Church St.; electrical work, to Harris & Marson, 81A Parkway Ave., Toronto. Archts. est. $170,000. Noted Feb. 17 under "Streets and Roads."

Wharves and Warehouses—Toronto, Ont.—Canada Steamship Lines Ltd., foot of Yonge St., general contract two 1 story, brick and steel on wood pile buildings, to Jackson Lewis Constr. Co., Federal Bldg.; structural steel, to Hamilton Bridge Wks., General Assurance Bldg. Engrs. est. $1,000,000.

Materials

Proposed Work

Rock and Oil—Alameda, Calif.—W. E. Varcoe, city clk., plans purchasing 2,000 cu.yd. crushed rock, 1,500 cu.yd. screenings, 1,000 cu.yd. Birds eye screenings, also 2,000 or more bbls. Calol or Roadamite oil.

Bids Desired

Curbing, Castings, Tar, etc. — Chicopee, Mass.—Apr. 15, by Superintendent Streets, City Hall Annex, granite curbing, granite blocks, traprock, sewer castings, asphalt, tar, cement, spraying trees, cement and tar walks, asphaltic road oil, salt grazed sewer pipe, gravel and cartage, etc.

Lead Cable—Hartford, Conn.—Apr. 12, by Bd. Contr. & Supply, 17,000 ft. 7 conductor wire lead cable. R. N. Clark, city engr.

Coke—New York, N. Y.—Apr. 13, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 400 net tons coke.

Tar, etc.—Newton, N. J.—Apr. 19, by Bd. Freeholders Sussex Co., 62,000 gal. grade B tar or U. B. applied; 12,000 gal. Grade H. K., K. P. or U. C. cold patch; 8,000 gal. Grade A.E. cold patch; 10,000 gal. K.P. or U. C. cold patch; 66,000 gal. cinder and gravel road oil, Grade S.C.O. applied; 180 tons calcium chloride dust layer; 500 tons concrete sand; and 3,000 tons trap rock, dolomite or limestone, dustless screenings. H. Snook, co. engr.; adv. E. N.-R. Apr. 7.

Frogs, Switches, etc.—Phila., Pa.—See "Bridges."

Lead—Wash., D. C.—Apr. 19, by District Comrs., District Bldg., 100,000 lb. pig lead, for use Water Dept.

Culvert Pipe—Mt. Ayr., Ia.—Apr. 18, at office Auditor Ringgold Co., 3,200 ft. culvert pipe. H. Foster, Mt. Ayr, co. engr.

Structural Steel—Orange City, Ia.—Apr. 11, at office Auditor Sioux Co., 104,326 lb. structural steel for I-beam bridges. J. W. Wiersma, Orange City, co. engr.

Culvert Pipe—Vinton, Ia.—Apr. 14, at office Auditor Benton Co., 800 ft. 15 in. and 300 ft. 18 in. corrugated culvert pipe f.o.b. Laporte; 80 ft. 15 in. and 112 ft. 24 in. f.o.b. Blairstown; and 64 ft. 15 in. and 272 ft. 24 in. f.o.b. Dysart.

Gasoline—Minneapolis, Minn.—Apr. 18, by F. S. Gram, city purch. agt., 500,000 gal. gasoline. N. W. Elsberg, city engr.

Copper Wire and Cedar Poles—San Francisco, Calif.—Apr. 13, by Bd. Pub. Wks., furnishing and delivering copper wire, and cedar poles, for transmission line, Coast Range Div. Hetch Hetchy Project. $28,000. M. M. O'Shaughnessy, city engr.

Asphalt, Cement, etc.—Montreal, Que.—Apr. 12, by City, asphalt, cement, bituminous dust layer, stone dust. $50,000.

Bids Received

Sand—Hartford, Conn.—City, Bd. Contr. & Supply, Mar. 29, 700 cu.yd. sand to Street Dept. Yard, and 9,300 cu.yd. as designated, from East Hartford Sand Co., 67 Silver Lane, East Hartford, and Riverside Sand Co., 43 Village St., East Hartford, each $0.90 and $1 per cu.yd. respectively.

Asphaltic Oil—Trenton, N. J.—City, Apr. 1, 40,000 gal. asphaltic oil, 30,000 gal. tar, and 18,000 tons slag, also 6,000 gal. oil for park roads, from Agabiti Bros., 638 Roebling Ave., $20,470 and $2,042 respectively.

Cement—Wash., D. C.—Dist. Comrs., 350 tons asphalt paving cement, from Mexican Petroleum Co., 120 Bway., New York City, at $22.90 per ton.

Contracts Awarded

Asphalt, Road Oil and Tar — Boston, Mass. — Commonwealth of Massachusetts Comn., Administration & Finance, asphalt, road oil and tars, Sects. C and M, to Standard Oil Co., Park Sq. Bldg., $63,956 and $12,951 respectively.

Asphaltic Cement, etc.—St. George, N. Y.—J. J. Lynch, pres. Richmond Boro, Boro Hall, to Standard Oil Co. of New York, 362 7th Ave., New York City, 275 tons asphaltic cement, $6,454; to Barrett Co., 61 Bway., New York City, 110,000 gal. bituminous road materials, $11,000; J. E. Donovan, 2207 Richmond Terrace, Port Richmond, 368,000 gal. macadam binder $55,200, broken stone and screenings 1,250 cu.yd. pea gravel for Dist. 1, $3,125; to Colgan Contg. Co., 90 Williams St., New York City, 1,080 cu.yd. trap rock $2,052, 1,825 cu.yd. pea gravel Dist. 2 $4,636, and 1,775 cu.yd. pea gravel Dist. 3, $4,509; 2,150 cu.yd. broken stone and screenings $1,314; to Liberty Mason Supply Co., Baltic St., St. George, 2,200 cu.yd. broken stone and screenings $1,020; to J. Johnson Sons, 455 Bway., West New Brighton, 1,000 cu.yd. broken stone $4,500, and 1,450 cu.yd. trap rock $7,360. Noted Mar. 31.

Tar, etc.—Trenton, N. J.—Bd. Freeholders Mercer Co., 147,000 gal. tar for cold application and 30,880 gal. for hot application, also 7,145 tons pebbles, to Barrett Paving Co., Trenton Trust Bldg., Trenton, $47,769.

Rails, Splice Bars, Bolts, etc.—Phila., Pa.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., 1825 tons 150 lb., 180 tons 55 lb. rails, with sufficient splice bars, bolts, etc., Contr. 153, to Bethlehem Steel Corp., Bethlehem, $113,270. Noted Mar. 24.

Steel Rails—Detroit, Mich.—Dept. Street Rys., St. Jean and Shoemaker Aves., W. H. Breiden, purch. agt., 1,000 tons 100 lb. steel rails for extending street railway, to Bethlehem Steel Co., Bethlehem, Pa., at $51.70 per ton; also 350 tons 140 lb. and 750 tons 93 lb. rails, to Lorain Steel Co. at $71 and $56 per ton respectively.

See proposal advertising on page 167

Constr. News page 227

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Sewer—Cleveland, Ohio

Bids were opened by Board of Commissioners of Cuyahoga County, Feb. 16, (lowest three) for sewer in Spencer Road, from (A) The Joseph Kalill and Jackson Co., Cleveland; (B) Walter P. Gibbons Contracting Co., Akron; (C) Gantose Construction Co., Cleveland. The unit bids are as follows:

	A	B	C
2,240 lin.ft. 10 in. vit. pipe sanitary sewer	$1.50	$2.00	$1.70
5,660 lin.ft. 15 in. vit. pipe sanitary sewer	2.00	3.50	2.00
350 lin.ft. 18 in. vit. pipe sanitary sewer	3.00	3.00	2.25
460 lin.ft. 20 in. vit. pipe sanitary sewer	3.85	4.00	4.80
835 lin.ft. 24 in. vit. pipe sanitary sewer	5.50	5.50	6.25
500 lin.ft. 24 in. storm sewer	5.00	6.00	5.60
520 lin.ft. 36 in. brick sewer	11.50	12.00	11.00
520 lin.ft. 36 in. rein. con. pipe	9.10	11.00	10.40
520 lin.ft. 42 in. brick sewer	13.25	14.00	14.00
520 lin.ft. 42 in. rein. con. pipe	11.50	13.00	13.50
900 lin.ft. 48 in. brick pipe	17.30	16.00	18.00
900 lin.ft. 48 in. rein. con. pipe	16.40	14.00	12.00
900 lin.ft. 60 in. brick pipe	24.00	21.00	25.00
900 lin.ft. 60 in. rein. con. pipe	23.00	19.00	22.50
4,800 lin.ft. 66 in. brick pipe	29.10	30.00	32.50
4,800 lin.ft. 66 in. rein. con. pipe	26.00	27.00	29.50
750 lin.ft. 7x4 ft. pipe	35.00	25.00	32.00
350 lin.ft. 8x5x4 ft. 5 in. pipe	43.50	32.00	38.00
500 lin.ft. 10x4x5 ft. pipe	65.50	55.00	62.50
60 lin.ft. 10x5 ft. vit. Y branches	1.00	2.00	1.00
170 lin.ft. 15x5 ft. vit. Y branches	1.50	3.00	2.00
10 lin.ft. 24x6 ft. vit. Y branches	3.00	7.00	5.00
220 lin.ft. 6 in. seg. block Y's	.50	1.00	1.00
2,600 lin.ft. vit. pipe risers	.50	1.00	.50
16 manholes (single)	125.00	100.00	100.00
16 manholes (dual)	250.00	200.00	200.00
8,000 lin.ft. 4 in. tile underdrain	.25	.10	.20
6,000 lb. bit. joint compound	.04	.25	.10
40 M ft. b. m. sheeting left in place	.35	.35	.40
50 cu.yd. additional excav.	1.00	4.00	3.00
100 cu.yd. additional slag	5.00	4.00	3.00
40 cu.yd. plain concrete	12.00	15.00	15.00
10 cu.yd. additional rein. con.	18.00	20.00	25.00
5,000 cu.yd. ditch excav.	1.00	2.25	1.50
Totals (brick)	$309,243	$309,713	$325,390
Totals (rein. con.)	290,976	290,673	308,167

Road—Idaho

Bids were opened by Department of Public Works, Boise, Feb. 18, for improving 5.706 mi. of North and South Highway in Benewah Co., Project No. 139-A, from (A) Massuto & Chapman, (awarded contract); (B) S. Orino; (C) Triangle Construction Co.; (D) Cole & Strong; contractors all of Spokane. The unit bids are as follows:

	A	B	C	D
27,000 cu.yd. excavation, solid rock	$1.10	$1.05	$1.25	$1.40
3,700 cu.yd. excavation, loose rock	.50	.50	.50	.50
31,000 cu.yd. excavation, earth	.28	.30	.30	.35
140 cu.yd. unclassified str. exc.	5.00	3.00	5.00	4.00
47,000 cu.yd. overhaul	.03	.04	.05	.05
11,200 cu.yd. crushed rock surf. in place	1.75	1.90	2.05	1.95
1,510 cu.yd. surfacing binder in place	.60	.75	.40	.50
220 cu.yd. cement concrete, Class "A"	35.00	30.00	35.00	40.00
26,000 lb. metal reinforcement	.08½	.08	.08½	.2
1,210 lb. exp. rockers and covers	.20	.24	.20	.2
20 cu.yd. rip rap loose	3.00	4.00	.....	3.00
210 lin.ft. 12-in. cor. pipe culverts (U.H.&P.)	.50	.25	.30	.15
700 lin.ft. 18-in. cor. pipe culverts (U.H.&P.)	.50	.35	.50	.20
40 lin.ft. 24-in. cor. pipe culverts (U.H.&P.)	.50	.60	.70	.30
280 lin.ft. 36-in. cor. pipe culverts (U.H.&P.)	.50	.75	1.00	.50
3,100 lin.ft. guard fence, Type "E"	.80	.75	.85	.75
32 acres clearing	75.00	125.00	150.00	150.00
15 acres grubbing	100.00	175.00	150.00	200.00
200,000 gal. sprinkling water	.00½	.00¾	.00½	.02½
Detour with bridge, Sta. 336	150.00	1,000.00	150.00	700.00
Totals	$81,203	$84,244	$92,722	$101,280

Road—Delaware

Bids were opened by State Highway Department, Dover, Feb. 2, (lowest three) for widening 3.22 mi. road, Contract No. 78, from (A) F. W. Lovett, Newark, (awarded contract); (B) Old Line Construction Co., Chestertown, Md.; (C) W. Eisenberg, Camden, N. J. The unit bids are as follows:

	A	B	C
1,700 cu.yd. excavation	$1.00	$0.70	$1.40
1,700 cu.yd. concrete pavement	13.90	14.51	14.40
1,000 lin.ft. transverse exp. jt.	.19	.15	.12
1,200 sq.yd. concrete gutter	2.20	2.25	2.25
Totals	$28,160	$28,707	$29,000

Paving—Highland Park, Ill.

Bids were opened by Village, Feb. 4, (lowest four and highest) for paving Ravinia Highlands and First addition to Ravinia Highlands, from (A) E. A. Meyer Construction Co., Highland Park, (awarded contract); (B) I. D. Lain, 360 Central Ave., Highland Park; (C) Western Improvement Co., Racine; (D) Highway Construction Co., Highland Park; (E) Rennacker Construction Co., 10 South La Salle St., Chicago. The unit bids are as follows:

	A	B	C	D	E
23,100 cu.yd. excavation pavement	$0.75	$0.74	$0.50	$0.85	$1.00
8,970 cu.yd. excavation parkway	.75	.94	1.00	1.00	1.00
44,500 sq.yd. concrete pavement	2.54	2.57	2.60	2.66	2.65
35,800 ft. concrete curb	.85	.85	.90	.90	.90
3 catch basins	85.00	80.00	90.00	85.00	90.00
125 catch basin manholes	100.00	90.00	115.00	90.00	100.00
4 manholes	80.00	85.00	85.00	80.00	85.00
4 drop inlets	60.00	50.00	50.00	40.00	50.00
1,085 ft. 8 in. tile pipe drain–sandfill–depth 6½ ft	1.75	1.70	1.70	1.90	1.90
518 ft. 10 in. tile pipe drain–sandfill–depth 6½ ft	2.00	1.85	1.80	2.10	2.10
187 ft. 12 in. tile pipe drain–sandfill–depth 6½ ft	2.10	2.25	2.00	2.20	2.20
189 ft. 15 in. tile pipe drain–sandfill–depth 6½ ft	2.50	2.75	2.50	2.40	2.40
50 ft. 18 in. tile pipe drain–sandfill–depth 6½ ft	2.75	3.00	3.00	.260	2.60
42 ft. 24 in. tile pipe drain–sandfill–depth 6½ ft	3.50	3.50	4.50	3.00	3.00
4,213 ft. 6 in. tile pipe drain–earthfill–depth 4½ ft	.60	.70	.74	.65	.85
18,133 ft. 8 in. tile pipe drain–earthfill–depth 5½ ft	.80	.85	.96	.80	1.40
3,593 ft. 10 in. tile pipe drain–earthfill–depth 5½ ft	1.00	1.05	1.16	1.05	1.65
2,461 ft. 12 in. tile pipe drain–earthfill–depth 6 ft	1.20	1.20	1.34	1.30	1.80
1,869 ft. 15 in. tile pipe drain–earthfill–depth 5½ ft	1.50	1.65	1.66	1.95	1.85
1,709 ft. 18 in. tile pipe drain–earthfill–depth 6 ft	2.10	2.00	2.00	2.40	2.15
854 ft. 20 in. tile pipe drain–earthfill–depth 5 ft	2.50	2.30	2.20	2.90	2.75
80 ft. 22 in. tile pipe drain–earthfill–depth 6½ ft	3.25	2.50	2.50	3.40	3.40
180 ft. 24 in. tile pipe drain–earthfill–depth 7 ft	3.50	3.25	3.00	4.00	4.00
21 cu.yd. concrete for headwalls	20.00	20.00	20.00	20.00	20.00
143 cu.yd. concrete for culverts	20.00	20.00	20.00	20.00	20.00
600 sq.yd. macadam pavement	2.00	2.50	2.50	3.50	2.75
93 covers adjusted	5.00	5.00	5.00	5.00	5.00
1 connection to existing manhole	10.00	10.00	30.00	10.00	5.00
20 cu.yd. of sand	2.50	2.25	2.60	3.50	2.50
105 trees grubbed out	10.00	5.00	10.00	7.00	10.00
10,500 sq.ft. walk approaches	.30	.26	.28	.30	.27
90 ft of curb removed	.25	.15	.20	.20	.10
Totals	$227,137	$228,940	$432,053	$240,710	$259,834

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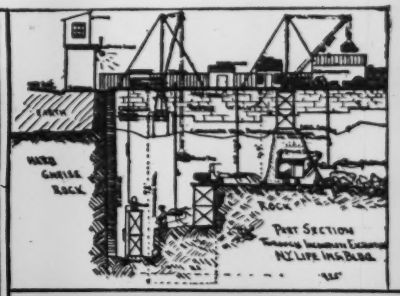
UNIT PRICES *continued on page 228a*



Dynamiting 50 feet through the bed rock of Manhattan

Photographs and diagram, courtesy SCIENTIFIC AMERICAN

BITING fifty feet into the hard gneiss rock of Manhattan Island over an area 200 by 425 feet is a tremendous engineering accomplishment. Many hundred thousand tons of solid rock had to be blasted out with high explosives to make the 72-foot deep foundation for the New York Life Insurance Building. Four stories of this great skyscraper will be below street level. More than 150,000 cubic yards of earth and stone had to be removed.

For this huge blasting job George G. Atwell Company, Inc., used du Pont explosives exclusively—mostly 40 per cent gelatin dynamite. All shots were fired with electric blasting caps.

This enormous amount of blasting was done in strict accordance with all the numerous municipal regulations and requirements for the safeguarding of the public. The location is one of the busiest, most thickly built-up sections of New York.

There is no substitute, no just as good product as a du Pont explosive or as du Pont service.

E. I. DU PONT DE NEMOURS & CO., INC.
Explosives Department
WILMINGTON DELAWARE

How the Work was done

AFTER the surface of the hard gneiss rock was uncovered, more than forty portable pneumatic drills were set to work drilling thousands of holes two inches in diameter, and about twelve feet deep. The hard rock dulled the six-point drill bits so rapidly that six men and two sharpening machines were busy dressing six tons of drills daily. Then du Pont dynamite shattered the rock sufficiently to enable most of the pieces to be handled by the steam shovels, although some of them had to be drilled and blasted again. The holes were blasted in groups at morning, noon and night. Most of the explosive was 40 per cent gelatin dynamite. All shots were fired with electric blasting caps.

DU PONT

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Road—Florida

Bids were opened by State Road Department, Tallahassee, Jan. 26, for 17.43 mi. road between Corrabelle and East Point, Franklin County, from (A) Dean & Yarborough & Ebersbach Construction Co., Tampa (awarded contract); (B) E. Roy James, Havre de Grace; (C) Franklin Construction Co., Apalachicola; (D) M. C. Winterburn & Co., Jacksonville; (E) W. J. Bryson Paving Co., Jacksonville. The unit bids are as follows:

	A	B	C	D	E
187,035 sq.yd. broken stone base No. 2	$1.34	$1.43	$1.40	$1.46	$1.75
120 ton extra rock	2.25	3.50	2.50	2.90	4.00
187,035 sq.yd. single bit. treatment	.24	.22	.26	.26	.26
15,727 lin.ft. woven wire guard rail	.54	.52	.60	.64	.60
112,000 sq.yd. sprigging	.04	.04	.05	.04	.05
Totals	$308,758	$321,686	$325,814	$336,593	$391,457

Street Improvements—Tacoma, Wash.

Bids were opened by City for improving various streets known as L. I. D. 4232, from (A) Paine, Gallucci & Milane, awarded contract); (B) S. A. Moceri, Inc.; (C) J. Warter, Sr.; contractors all of Tacoma. The unit bids are as follows:

	A	B	C
Excavation per cu.yd.	$0.50	$0.80	$0.85
Asphalt pavement to remove per sq.yd.	.10	.25	.25
Curb and gutter per lin.ft.	.35	.35	.30
6-in. cement concrete pavement per sq.yd.	1.72	1.70	1.85
Concrete walk to remove per sq.ft.	.05	.05	.05
Concrete walk to build per sq.ft.	.20	.20	.20
Concrete header to build per sq.ft.	.25	.35	.30
Old lumber to remove per ft. B.M.	1.00	1.00	1.50
Wood inlets to remove, each	1.00	1.00	1.00
Manholes to set to grade	1.00	2.00	2.50
15-in. pipe to lay, including trench, per lin.ft.	.70	.90	1.10
12-in. pipe to lay, including trench, per lin.ft.	.55	.75	.75
Totals	$82,641	$87,496	$91,634

Street Improvement—Akron, Ohio

Bids were opened by Department of Public Service, Division of Highways, Feb. 28, for improving East Crosier Street from Inman St. to Talbot Ave., from (A) Matt Kalain, 73 Wilson St.; (B) Karr Bros.; (C) Hollinger & Davidson; (D) Guran & Brancich; (E) John W. Hurak; (F) T. E. McShaffrey Construction Co. The unit bids are as follows:

	A	B	C	D	E	F
1,600 cu.yd. grading	$0.65	$0.40	$0.55	$0.80	$0.80	$0.85
1 cu.yd. trench excavations	2.00	1.00	1.00	1.00	2.00	2.00
2,620 lin.ft. under drainage, 4-in. pipe	.15	.02	.10	.10	.10	.12
45 lin.ft. drains inlet conn., 12-in. pipe	2.00	1.00	1.00	1.00	1.00	1.50
5 sewer laterals	30.00	25.00	30.00	30.00	35.00	35.00
6 manholes readj. to grade	10.00	5.00	3.00	2.00	5.00	4.00
1 new manhole frame-cover	25.00	20.00	16.00	15.00	18.00	20.00
5 lin.ft. manholes rebuilt	8.00	8.00	3.00	5.00	5.00	8.00
1 inlet, plan 1	35.00	25.00	35.00	35.00	25.00	35.00
3 inlets, plan 3	45.00	30.00	40.00	40.00	35.00	45.00
2 inlets, readjusted	15.00	20.00	10.00	20.00	15.00	10.00
1 cu.yd. concrete, cl. 2	12.00	8.00	7.00	8.00	12.00	12.00
2,575 lin.ft. sandstone curb (6x18 in.)	1.50	1.40	1.45	1.50	1.50	1.50
47 lin.ft. sandstone cir. curb (6x18 in.)	2.25	2.50	2.25	2.25	2.25	2.25
47 lin.ft. medina cir. curb (6x18 in.)	2.50	3.00	2.50	2.50	2.75	2.75
47 lin.ft. granite cir. curb (6x18 in.) cl. A	3.25	3.20	3.00	3.10	3.20	3.40
47 lin.ft. granite cir. curb (6x18 in.) cl. B	3.00	3.00	2.90	3.00	3.00	3.20
50 lin.ft. sandstone curb redressed	.30	.20	.40	.25	.50	.60
50 lin.ft. curb reset	.60	.20	.40	.50	.50	.60
55 lin.ft. sandstone headers	1.10	1.00	1.00	1.00	1.00	1.00
4,065 sq.yd. concrete base 5 in. thick	1.30	1.40	1.25	1.15	1.30	1.55
4,065 sq.yd. concrete base 6 in. thick	1.50	1.50	1.45	1.35	1.50	1.55
4,065 sq.yd. concrete base 7 in. thick	1.75	1.70	1.65	1.55	1.70	1.75
4,065 sq.yd. concrete base 8 in. thick	2.00	2.00	1.85	1.75	1.90	2.00
3,410 sq.yd. interlocking base 5 in. thick	1.45	1.60	....	1.65	1.65	....
3,410 sq.yd. interlocking base 6 in. thick	1.65	1.70	....	1.85	1.90	....
3,410 sq.yd. interlocking base 7 in. thick	1.90	1.90	....	2.05	2.10	....
4,065 sq.yd. repd. brick pave. (asp. filler)	2.30	....	2.15	2.25	2.30	2.30
4,065 sq.yd. vert. fibre brick 3½ in. deep (asph. filler)	2.20	....	2.00	2.20	2.15	2.20
4,065 sq.yd. vert. fibre brick 3 in. deep (asph. filler)	2.15	....	1.95	2.05	2.05	2.10
655 sq.yd. repd. brick gut. (cement filler)	2.30	2.00	....	2.20	2.20	2.30
655 sq.yd. repd. brick gut. (asph. filler)	2.40	2.10	....	2.25	2.25	2.40
655 sq.yd. 3 in. vert. fibre brick gutter (asph. filler)	2.25	2.00	....	2.05	2.10	2.25
3,410 sq.yd. sheet asph. pave. plan B Trinidad	1.60	1.50	....	1.50	1.50	1.60
3,410 sq.yd. sheet asph. pave. plan B Texaco	1.50	....	....	1.45	1.40	1.50
3,410 sq.yd. sheet asph. pave. plan B Mexican	1.50	1.35	....	1.40	....	1.50
3,410 sq.yd. asph. pave. plan D Trinidad	1.55	1.50	....	1.50	1.45	....
3,410 sq.yd. asph. pave. plan D Texaco	1.45	....	....	1.45	1.35	....
3,410 sq.yd. aspn. pave. plan D Mexican	1.45	1.35	....	1.40	....	....
3,410 sq.yd. amiesite pave	1.35	1.70	....	....	1.50	....
5 sq.yd. brick pave. relaid	2.00	1.00	1.00	2.00	2.00	2.00
300 sq.ft. cement walk two course	.25	.25	.23	.22	.25	.25
50 sq.ft. cement driveway	.30	.30	.27	.30	.28	.35
50 sq.ft. cement walk relaid	.15	.10	.07	.10	.15	.25
100 lb. reinforcing steel	.06	.06	.04	.02	.07	.06
2 concrete monuments	15.00	10.00	10.00	10.00	10.00	12.00
62 shade trees	12.00	12.00	12.00	12.00	12.00	12.00
30 lin.ft. ½ bituminous expan. strip	.10	.10	.05	.07	.07	.15
1 ton asphaltic binder Trinidad	10.00	10.00	.....	7.00	10.00	10.00
1 ton asphaltic binder Texaco	9.00	.....	.....	7.00	9.00	9.00
1 ton asphaltic binder Mexican	9.00	9.00	.....	7.00	....	9.00
5 cu.yd. cinders	1.20	1.50	.50	1.00	1.00	1.25
100 lin.ft. 4-in. w. i. drains	.70	.20	.50	.30	.25	.70
20 4-in. holes through curb	1.00	1.00	1.00	1.00	1.00	1.25
6 water valve boxes, readjusted	2.00	2.00	1.00	1.00	2.50	3.00
If cement is required for the cushion, add per sq.yd	....	.15	.15	.15	.20	.15
If cinder base for cement walk is omitted deduct per sq.ft	....	.02	.02	.02	.02	.02
Totals, repd. brick pavement asph. fill., 6-in. base	$22,578	.....	$21,111	$21,652	$22,518	$23,005
Totals vert. fibre pavements 3½ in. deep asph. fill., 6-in. base	22,171	.....	20,502	21,449	21,908	22,598
Totals vert. fibre pavements, 3 in. deep asph. fill., 6-in. base	21,968	.....	20,298	20,839	21,502	22,192
Totals sheet asph. pavements plan B (Trinidad) br. gut. 7 and 6-in. base	21,109	$19,149	.....	19,777	20,439	21,365
Totals sheet asph. pavements plan B (Texaco) br. gut., 7 and 6-in. base	20,768	.....	.....	19,606	20,098	21,024
Totals sheet asph. pavements plan B (Mexican) br. gut. 7 and 6-in. base	20,768	18,637	.....	19,436	....	21,024
Totals asph. pavement plan D (Trinidad) 6-in. interlocking b. br. gut. 6-in. base	20,597	19,149	.....	20,800	20,951	.....
Totals asph. pavement plan D (Texaco) 6-in. interlocking b. br. gut. 6-in. base	20,256	.....	.....	20,629	20,610	.....
Totals asph. pavement plan D (Mexican) 6-in. interlocking b. br. gut. 6-in. base	20,256	18,637	.....	20,459	....	.....
Totals amiesite pavement	20,256	19,831	.....	.....	20,439	.....

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